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# WEYMOUTH HIGH SCHOOL

One Wildcat Way, Weymouth, Massachusetts 02190  
Telephone: 781-337-7500 Fax: 781-340-2569 Web site: weymouthschools.org

Hello Parents and Students,

We are very excited to present to you the 2010-2011 Programs of Study for Weymouth High School. Our goal is to offer a variety of courses that will help prepare all students for life in the 21<sup>st</sup> century. Every student at Weymouth High School will have access to a college preparatory curriculum that will help them become knowledgeable, critical thinkers and problem-solvers. We want to provide opportunities for all students to explore their passions and support each student in achieving their future goals.

Our counselors and staff are committed to working with each student to help design an appropriate educational program that leads to graduation. We will make ourselves available to answer any questions that may help make important decisions about which courses are appropriate. We are excited about providing a 21<sup>st</sup> Century curriculum that prepares all students to be productive citizens.

The Weymouth High School Programs of Study will enable all students to be challenged to do their best. We believe and expect all students to achieve at their maximum potential.

Good luck! Together we will all have a successful 2010-2011 school year.

Sincerely,

A handwritten signature in cursive script that reads "Anthony Pope".

Anthony Pope, Ed.D  
Principal Weymouth High School



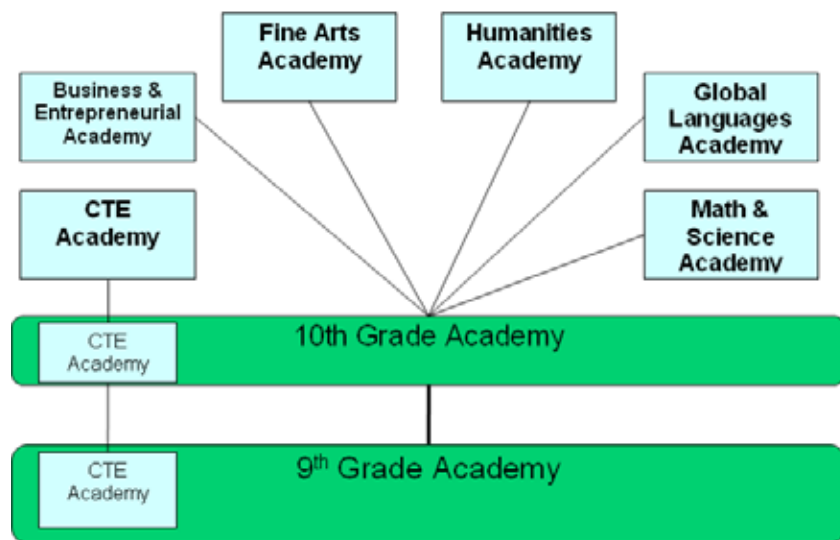
# letter to Students

Dear Students,

Welcome to Weymouth High School! Your tomorrow is here today. Do you see yourself arguing a case before a jury? Do you see yourself researching new treatments to help fight cancer? Whether you see yourself working on Wall Street, becoming an auto repair technician, producing recording sessions for musicians, or volunteering in the Peace Corps, Weymouth High School will help you find and chart a path to your tomorrow. In the 9<sup>th</sup> and 10<sup>th</sup> grade Core Academies you will develop the essential 21<sup>st</sup> century skills of problem solving, research, collaboration, technology, strategic reading, and communication while you lay your academic foundation in our core subjects. The Core Academies will cultivate the independence and initiative you will need for success in high school and beyond.

In the 11<sup>th</sup> and 12<sup>th</sup> grades you will have the opportunity to join one of six Career Academies. Here you will be able to prepare for college and careers by engaging in a diverse program of studies crafted to create connections among your classes and to real world experiences. You will continue to develop core 21<sup>st</sup> century skills and fulfill your graduation requirements all while taking courses in areas of interest to you and your tomorrow. In your senior year, you will take your learning outside the classroom walls as you complete your capstone project. In your Career Academy, you will open the doors and develop the skills for the opportunities of your tomorrow.

It is all available to you. What tomorrow will you build? What doors will you open? The choices, opportunities, and your potential are limitless. Your tomorrow is here for you to discover today. Welcome to Weymouth High School!



# mission Statement

Weymouth High School will embed 21<sup>st</sup> century skills across the curriculum to prepare students for post-secondary education, careers, and active citizenship.

## Weymouth High School Expectations

The WHS graduate will effectively:

1. communicate through written and oral communication
2. employ strategic reading strategies
3. use technology
4. collaborate
5. research
6. solve problem



## ACCREDITATION STATEMENT

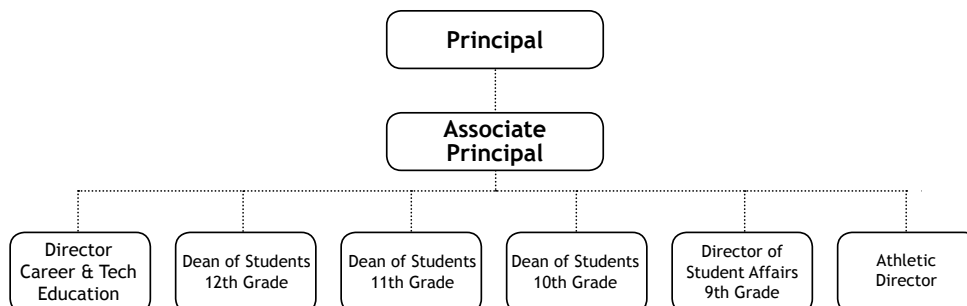
Weymouth High School is presently accredited by the New England Association of Schools and Colleges, Inc., a non-governmental, nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation of an institution by the New England Association of Schools and Colleges indicates that the school meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the New England Association of Schools and Colleges is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the status of an institution's accreditation by the New England Association of School and Colleges should be directed to the Association at 209 Burlington Road, Bedford, Massachusetts 01730 (781) 271-0022.

## ADMINISTRATION STRUCTURE



## GENERAL INFORMATION

**How to Plan a Program.** Planning an educational program is an ongoing process and should involve as many people as possible, including the student, parents, teachers and guidance counselors.

1. **Work Together to Select Courses** - Course selection marks the beginning of responsible decision-making for many students. Parents/Guardians should be involved in giving both help and direction as a student works through his/her decision.
2. **Gather Information** - A major part of the process of course selection involves the gathering of information. Classroom teachers and guidance counselors are valuable resources at this stage. This course selection booklet has been prepared with **YOU** in mind. Read it first to obtain information on the entire high school curriculum and then read the course selection booklet a second time, more carefully, to obtain specific information on those courses which are either required for next year or those in which you have a particular interest and will elect.

The classroom teacher has in-depth knowledge of the content of various courses taught within his/her department. In addition, he/she is usually aware of the level of expectation within each course. Knowing you as a student and the kind of work of which you are capable, your teacher can make valid recommendations as to which courses to take within the department.

The guidance counselor has a broad overview of the entire curriculum. Besides having a strong sense of the student's performance and ability level, the counselor is very much aware of courses necessary to fulfill graduation requirements. The guidance counselor also is able to provide good advice about the kind of program and courses which will be helpful as you prepare yourself to pursue post-high school plans, whether these be a four/two year college/technical school or immediate entry into the world of work. A student conference can be arranged by coming to the guidance office to make an appointment. A parent-counselor conference can be arranged by calling 781-337-7500 ext 5126 to make an appointment. Not all student choices can be accommodated within scheduling constraints and school placement policies. Final decisions on placement will be made by the Principal.

3. **Attend the Orientation for Parents and Students** - This is usually held in late-winter/early spring for the purpose of providing information and assistance in the course selection process. Teachers and counselors may be consulted.
4. **Four-Year Course Plan / Personal Learning Plans (PLP)** - All students should develop a four-year course plan which will be reviewed each year to be certain their program has a career direction and focus. This plan will begin in grade eight and be amended every year at course registration. Students will be encouraged to anticipate the education necessary to achieve their desired goals. Guidance counselors from both schools will assist in developing appropriate four year plans.
5. **Course Selection Policy** – Students are given opportunities to choose from a wide array of elective subjects beyond the required full year core subjects listed in this book. Every effort is made to fulfill these requests; however, no master schedule can provide every course that every individual student requests. The development of a master schedule takes on many factors when determining which courses can be offered and at what times they may run during the day. Staffing, number of students requesting a particular course, combination of course requests among students, school resources, etc; these are among many factors that influence the access to particular courses in a given year. We will work diligently and methodically to provide a rich and varied academic experience, but there may be some instances where, for scheduling purposes, the administration and guidance staff will have to adjust an individual's course selections. If this occurs, every effort will be made to place the student in a similar course at a similar level.

## COUNSELING SERVICES

The overarching goal of the Counseling Services Program is to help students understand their aptitudes, abilities, and interests so that they know themselves as individuals and as members of society. Furthermore, our program strives to help students make wise decisions educationally, vocationally, and personally. The Counseling Services Department is comprised of seven guidance counselors assigned by an alphabetical split, four grade level adjustment counselors, and two adjustment counselors that support specialized programs within the school.

Adjustment Counselors are Masters level clinicians available on an as-needed, as well as scheduled basis, for help in dealing with a wide range of social and emotional issues that interfere with school achievement. The school adjustment counselors may be accessed through the Counseling Services Department. Faculty, parents/guardians, administrators, staff and peers can refer students with any of the following issues: social, emotional, academic or behavioral. Services are delivered on an individual or small group basis. Adjustment Counselors also make appropriate referrals to outside supportive agencies for students and their families.

Guidance Counselors are certified/licensed Masters level educators trained in school counseling with unique qualifications and skills to address all students' academic, personal/social and career development needs. They serve a vital role in maximizing student achievement. By incorporating leadership, advocacy and collaboration, guidance counselors promote equity and access to opportunities and rigorous educational experiences for all students.

## Counseling Services (continued)

Some services include the following:

- developing a four year course plan with a career focus
- teaching students strategies to advocate for themselves
- providing career, educational, and post graduate planning
- interpreting standardized test results
- assisting in college research and selection process
- facilitating orientation and transitional programs
- providing help with personal/social concerns
- coordinating support and intervention strategies for students in need of assistance
- helping students to understand and accept capabilities and limitations
- promoting the use of computer assisted planning and information services available in the high school's counseling services office

Important information:

- Students are assigned to counselors by an alphabetical split and stay with their students throughout the four years at Weymouth High School.
- Student appointments can take place anytime during the day and before or after school.
- Counselors are generally available at most times throughout the school day; however appointments may be necessary as counselors may have already set-up meetings with other students / parents, be running group counseling sessions, or fulfilling other duties and responsibilities. A counselor will always be available to assist in an emergency situation.
- Multiple evening activities are planned throughout the school year by the Counseling Services Department. Please access the school's website periodically to remain up-to-date on new events.
- Parents are encouraged to contact counseling services regarding any concerns.
- Direct Counseling Services telephone number is 781-337-7500 ext. 5126.

## NON-DISCRIMINATION POLICY

The Weymouth Public Schools do not discriminate on the basis of sex in educational programs or activities and are required by Title IX not to discriminate in such a manner. In addition, no child shall be excluded from or discriminated against in admission to a public school or in obtaining the advantages, privileges, and courses of study of such public schools on account of race, color, gender, religion, national origin, sexual orientation, or disability.

## HARDSHIP

If the payment of a fee will produce a hardship for a family, the parent of guardian should contact the Principal in writing,

## Academic Information CLASSES OF 2011/2012/2013/2014

### Promotion Policy

All students are required to select a minimum of six credits each year along with one additional credit as an alternate to assist in the scheduling process. Students must remain scheduled in at least the equivalent of 6.0 credits a year.

Promotion from grade-to-grade in high school is based on credit accumulation in concert with the fulfillment of core requirements and academic standards / expectations.

The following minimum requirements must be met for entrance to grades 10, 11, and 12.

Grade 10	3 credits (including 1.0 in English and 1.0 in Math)
11	7 credits (including a minimum of 2 credits in English and 3 other <b>core</b> subject areas)
12	13 credits (including a minimum of 2.5 credits in English and 5 other <b>core</b> subject areas)
Diploma	20+ credits (including the completion of all core and non-core subject area requirements and all required MCAS Competency Determinations)

Students with fewer than 20 credits will not graduate. It may also be the case that some students could transfer to Weymouth High School having accumulated more than 20 credits. It is important to note that in order to earn a Weymouth High School Diploma, the minimum graduation requirements listed below must be fulfilled in all categories before a diploma can be conferred upon any student.

### Minimum Graduation Requirements - Grades 9-12

1. Total credit requirements:

- Class of **2011**: 20 credits including the completion of all core and non-core subject area requirements and all required MCAS Competencies
- Class of **2012**: 21 credits including the completion of all core and non-core subject area requirements, 10 hours of community service, capstone project, and all required MCAS Competencies

## Academic Information (continued)

- Class of **2013**: 22 credits including the completion of all core and non-core subject area requirements, 20 hours of community service, capstone project, and all required MCAS Competencies
- Class of **2014**: 22 credits including the completion of all core and non-core subject area requirements, 30 hours of community service, capstone project, and all required MCAS Competencies
- Class of **2015**: 22 credits including the completion of all core and non-core subject area requirements, 40 hours of community service, capstone project, and all required MCAS Competencies

2. The following subject credits must be earned as part of the graduation requirement:

WHS GRADUATION REQUIREMENTS (ALL Academies except CTE)		
<b>Core Subject Areas</b> Graduation Requirements	English [including English I, II, III, and senior elective(s)]	4.0 credits
	Mathematics [including Geometry & Algebra II or equivalent]	3.0 credits
	Science [including a minimum of two lab sciences]	3.0 credits
	Social Studies [must pass US History II]	3.0 credits
<b>Non-Core Subject Areas</b> Graduation Requirements	Unified Arts	1.5 credits
	Health	0.25 credits
	Physical Education [0.25 credit per year]	1.0 credit
Additional Credits Required for an Academy Certificate, beginning with the Class of 2012		5.0 credits
<b>Total <i>Minimum</i> Credits Required for Diploma. <i>Students are required to carry 6 credits per year.</i></b>		<b>20.0 credits</b> (class of 2011)
		Class of 2011 = 20 credits Class of 2012 = 21 credits Class of 2013 & beyond = 22 credits

WHS CTE GRADUATION REQUIREMENTS		
<b>Core Subject Areas</b> Graduation Requirements	English [including English I, II, III, and senior elective(s)]	4.0 credits
	Mathematics [including Geometry, & Algebra II or equivalent]	3.0 credits
	Science [including a minimum of two lab sciences]	3.0 credits
	Social Studies [must pass US History II]	3.0 credits
<b>Non-Core Subject Areas</b> Graduation Requirements	Unified Arts	1.5 credits
	Health	0.25 credits
	Entrepreneurship	0.25 credits
	CTE PE Requirement [0.1 credit per year]	0.40 credit
<b>CTE ACADEMY REQUIREMENTS</b>	CTE Shop Courses and/or Electives	4.6 credits minimum
<b>Total <i>Minimum</i> Credits Required for Diploma. <i>Students are required to carry 6 credits per year.</i></b>		<b>20.0 credits</b> (class of 2011)
		Class of 2011 = 20 credits Class of 2012 = 21 credits Class of 2013 & beyond = 22 credits
<i>Additional criteria required for CTE Certification varies by shop. See the Director of Career and Technical Education for details.</i>		

3. Students majoring in Career and Technical Education, because of the nature of the program must satisfy all graduation requirements in English, Social Studies, Mathematics and Science, as well as, shop. To be eligible for a Technical Certificate, a student must earn credits in both Junior and Senior year in one major.

## Academic Information (continued)

4. Students must satisfy all Weymouth High School graduation requirements in order to participate in the graduation ceremony.
5. To earn a high school diploma from Weymouth High School, students must satisfy all Weymouth High School graduation requirements and earn competency determination in the English Language Arts, Mathematics, and the Science/ Technology portions of the MCAS test.
6. Students, starting with the graduating Class of 2010, must satisfy one of the following two conditions in both English Language Arts (ELA) and mathematics to earn a competency determination in those subjects: 603 CMR.31.00
  1. meet or exceed the Proficient scaled score of 240 on the English Language Arts and Mathematics grade 10 MCAS tests, or
  2. meet or exceed the Needs Improvement scaled score of 220 on the English Language Arts and Mathematics grade 10 MCAS tests and fulfill the requirements of an Educational Proficiency Plan (EPP).

### The Educational Proficiency Plan

The Educational Proficiency Plan (EPP) is a document that will be designed in collaboration with your child's guidance counselor. The EPP is required for any student that does not score a 240 or higher in either the **ELA** or **MATH** portion of the MCAS. By not reaching a score of 240 or higher in either the ELA or MATH MCAS examinations, the Department of Elementary and Secondary Education has mandated that students must continue their academic study in the deficient core content area. Notably, all students at Weymouth High School, as part of their graduation requirements, continue to take English and Math courses in their Junior year and beyond. Therefore, in an effort to demonstrate Competency Determination (CD), students at Weymouth High School may use their core courses in Junior ENGLISH and MATH to fulfill the Competency Determination (CD) mandated by the state. Students are noted as having earned Competency Determination (CD) when they pass their content subject area course and pass that course's standards-based final examination. Failure to do this in the Junior year will require the student to achieve this standard at the close of Senior year. It is important to note that a high school diploma cannot be granted to any student that does not fulfill Competency Determination in all required MCAS examinations. Please note that students taking the Algebra II Extended-Parts I and II, two year course can not attain CD until they have passed both years of the course.

### MCAS APPEALS

MCAS appeals are filed through the office of the Counseling Services for seniors, who have not passed all portions of the MCAS test. An appeal to waive the state mandated MCAS requirement for a high school diploma must show that the student is eligible by meeting all of the following criteria:

1. Taken the MCAS test in the subject of the appeal at least three (3) times.
2. Maintained a 95% attendance rate for both the junior and senior years.
3. Successfully participated in tutoring or other academic support services made available or approved by the school.
4. Attained a GPA of at least 1.0 in the subject of the appeal.
5. Achieved a GPA higher than the GPA of at least 6 students who have passed the MCAS and have taken the same sequence of courses in the subject of the appeals.

Questions about the appeals process should be directed to your child's Guidance Counselor for further information.

## EVENING SCHOOL CREDIT

Semester courses successfully completed in evening school during the school year will be granted .5 credits. Students who receive more than three credits (six courses) in the evening school program will be given an evening school diploma once all requirements are met.

## SUMMER SCHOOL REGULATIONS

Students are eligible to make up failures in an approved summer school, community college, or online program under the following conditions:

- A student has passing grades for 50% of the course (two terms for a year long course, one term for a semester course).
- Or, a student has an average in the course of 50% or better including a passing mark of 60% or better on the final exam.
- Students who failed a subject for the year, due to absences, must obtain the approval of their dean in writing to attend summer school for credit.

Academic credit for summer school will be granted providing the student earns a grade of "C-" or better. The make-up grade and graduation points will be posted on the permanent record along with the failure, but not included in the class rank computation.

Students may receive 1 credit in summer school without meeting the prerequisites listed above by successfully completing a college level course. Prior to registration, interested students should arrange a conference with their dean and guidance counselor to receive approval for course enrollment.

Total credit recovery through a summer program may not exceed 2 credits in a calendar year.

## OUTSIDE COLLEGE COURSES

College courses taken for enrichment purposes may not be transferred to the Weymouth High School transcript and/or used to take the place of a Weymouth High School subject specific graduation requirement. Students may forward these courses directly to colleges as part of their application materials. Enrichment courses cannot be applied towards fulfilling Weymouth High School's graduation requirements.

## COURSE LEVELS

All placements are designed to provide maximum intellectual challenge for each student. The school makes placement decisions on the basis of testing, past academic performance, and departmental approvals. Placement assumes that ability will allow success, but normal student effort is also assumed. It is also assumed that students and teachers will anticipate upward movements in level placements based upon intellectual growth over years of schooling. All leveled courses are designed to challenge, promote critical thought, provide opportunities to problem solve, and prepare students for post-secondary education. The professional staff at Weymouth High School is committed to the concepts that all students, upon graduation, will be expected to demonstrate that they can synthesize, organize, and apply knowledge to complex and real life situations and are fully prepared for post secondary education and/or work. All course levels will contain career and relevant real world connections to the curriculum. Course levels are designed as follows:

<b>Advanced Placement</b>	A course that ends with an examination that can lead to advanced placement and/or credit in college. The fee for an AP exam is \$86. More information can be obtained through your guidance counselor or through <a href="http://www.collegeboard.com">www.collegeboard.com</a>
<b>Honors</b>	An intense course of study that demands extensive independent learning as well as critical, creative, and analytical thinking.
<b>College Prep</b>	College Prep classes require, critical, creative and analytical thinking. As these courses are designed to prepare students for four year and two year colleges, independent preparation and study will be an essential component for student success.
<b>Un-leveled</b>	These courses are not college preparatory in nature and may constitute academic support, generalized electives, or other types of student enrichment activities.

## PASS/FAIL COURSES

The following are graded as pass/fail and are not factored into GPA computations.

H1076: Strategies for Success in ELA	H2790: Maroon & Gold Scholars
H4001: Writing Lab	H1676: Strategies for Success in Math
H1776: Strategies for Success: Science	H4011: Math Lab
H1790: Laboratory Assistants in Teaching Science	H2089: Advisory for ACT Program
H2666: Strategies for Learning (SPED)	H2543: Physical Education – CTE
H2799: Community Service (P/F for first term; numerical grade second term)	
H1844 (Honors) & H1846 (CP): Yearbook Production (P/F for first term; numerical grade second term)	

Additionally, some specialized programs and courses may utilize pass/fail grading.

## PREREQUISITES/DEPARTMENTAL APPROVALS

Many courses of study at the high school level have prerequisites. Prerequisites are guidelines which assist students and parents in selecting courses. Courses that have departmental or teacher recommendation listed in the prerequisite section of the course description require signed verification from those individuals in order to facilitate movement into those courses.

## COURSE CHANGE POLICY

The course selection process is one which should be a cooperative venture among the student, the parent, the teacher, and the counselor. Adequate time is allowed for parent-sponsored changes after the initial registration period as well as during the week after school closes, or one week before the opening of school in September.

1. Full year, first semester courses, first quarter courses (except clerical errors) will be allowed to be dropped until the last day of the second cycle in the school year. Changes made after this time period must be accompanied by proper documentation and approval. Course changes must be approved by the parent/guardian, teacher, counselor, and dean.
2. Second semester courses may be dropped any time prior to the first day of the classes or before the end of the first six-day cycle of second semester. These changes must be accompanied by proper documentation and approval as mentioned above.
3. Requests for changes honored after the first progress report will be recorded on the report card and transcript as "withdrawn."
4. No course may be dropped after 33% of the class has met. Full Year Course = 60<sup>th</sup> day - Half Year Course = 30<sup>th</sup> day - One Quarter Class = 15<sup>th</sup> day.

## LEVEL CHANGE POLICY

Level changes will be considered on an individual basis in consultation with the current teacher, student, parent, and counselor. Student data (such as standardized tests, transcripts, placement tests, etc...) will be included in all considerations.

In order to move to a less challenging course level, students must have participated in class work and activities, done homework for the class, and met with the course teacher for extra help.

All level changes require the use of the approved “Add/Drop” form.

## MASSACHUSETTS STATE COLLEGES AND UNIVERSITIES

### High School Academic Course Requirements

#### MINIMUM REQUIRED UNITS

• English (college preparatory)	4 years
• Mathematics (college preparatory: Algebra I, II and Geometry)	3 years
• Natural & Physical Science (two with laboratory)	3 years
• Social Studies (including 1 course in US History)	2 years
• Foreign Language (in a single language)	2 years
• Electives (from the above subjects or from the Arts and Humanities or Computer Sciences)	2 years

**Total** 16 (required)

## MINIMUM GRADE POINT AVERAGE (G.P.A.) FOR STATE COLLEGE ADMISSION

A minimum grade point average in college preparatory course work at the end of the seventh semester is required for Freshman Applicants. *The Massachusetts State Colleges and Universities require a 3.0 GPA for admission.* For students whose GPA falls below the minimum, the provisional sliding scale below will apply.

Applicant GPA	Minimum SAT* (score must be made for)		Minimum ACT* (score must be made for)	
	State Colleges	UMASS	State Colleges	UMASS
2.51 - 2.99	920	950	19	20
2.41 - 2.50	960	990	20	21
2.31 - 2.40	1000	1030	21	22
2.21 - 2.30	1040	1070	22	23
2.11 - 2.20	1080	1110	23	24
2.00 - 2.10	1120	1150	24	25

*No Massachusetts State college or university will admit a student with a GPA below 2.0.*

“Meeting the admissions standards policy requirements does not guarantee admission. Each college may have additional specific requirements. Moreover, specific programs (for example, engineering or nursing) may have more rigorous requirements. Students should consult admissions officers or college catalogs for details. \*SAT has changed to include three tests (Critical Reading, Math, and Writing) yet the colleges have not included this third score (Writing) in their admissions process. Consequently the above SAT numbers reflect a total derived from the addition of the Reading and Math scores only.”

(Requirements for admission to colleges and universities do change from year to year and may adjust during the summertime after this document goes to print. Please look on-line or contact your guidance counselor for up to date information when considering applying to any college or university.)

# career academy Policies

## Career Academy Requirements:

Each Career Academy (with the exception of the Career and Technical Education Academy) requires students to complete five credits beyond the current Weymouth High School core and non-core graduation requirements. While each academy requires a different mix within those five credits, all academies require a capstone project. At graduation, upon successful completion of a Career Academy's requirements, a student will receive a Certificate of Completion from that Career Academy in addition to his/her Weymouth High School diploma.

## Enrollment

One of the essential factors for success in a Career Academy model is student choice<sup>1</sup>. Weymouth High School prides itself on having a student driven program of studies. As such, Weymouth High School will allow student interest to guide enrollment in the Career Academies and will make every effort to prevent the capping of enrollment in any of the Career Academies.

## Application Process

During course selection of their sophomore year, students will complete an application form and select one of the six Career Academies. However, students must enroll in the Career and Technical Education Academy in their freshmen year and must follow all CTE application requirements.

## Transfer Requests

While students will select a Career Academy during course selection of their sophomore year, they have until course selection of their junior year to transfer between academies. Each Career Academy provides introductory courses during a student's junior year. This will allow the student to make a meaningful connection with the academy and thus an informed transfer decision. This flexibility can be afforded while still allowing for completion of the new academy's requirements because the majority of the requirements for the academies are completed during senior year.

## CORE ACADEMIES

### 9th Grade:

The Weymouth High School Freshmen Academy provides an environment that transitions students into the high school. The academy will engage students academically in rigorous curriculum, and 21<sup>st</sup> century skill building. The academy will develop student accountability and career awareness.

### 10th Grade:

The Weymouth High School Sophomore Academy provides an environment that further engages students in rigorous curriculum, 21<sup>st</sup> century skills and career exploration. The 10<sup>th</sup> grade academy will foster the independence and initiative needed for success in the career academies.

## Sample Schedule: General Education

9th Grade	Semester 1		Semester 2
Period 1	English I <i>plus option honors</i>		
Period 2	Modern World History <i>plus option honors</i>		
Period 3	Integrated Science <i>plus option honors, plus option Biology 9 honors</i>		
Period 4	Algebra I or Geometry <i>plus option Geometry honors</i>		
Period 5	Foreign Language <i>plus option honors</i>		
Period 6	PE 0.25	Health 0.25	*
Period 7	*		*

\* indicates free space for band/art/electives/academic support/Special Education

<sup>1</sup>Stern, D., Dayton, C., & Raby, M. (1998). *Career academies and high school reform*. Berkeley: University of California at Berkeley, Graduate School of Education.

### Sample Schedule: General Education

10th Grade	Semester 1		Semester 2
Period 1	English II <i>plus option honors</i>		
Period 2	United States I <i>plus option honors or AP US History I</i>		
Period 3	Biology <i>plus option honors,</i> <i>plus option Chemistry (if Biology in 9th grade)</i>		
Period 4	Geometry or Algebra II <i>plus option honors</i>		
Period 5	Foreign Language <i>plus option honors</i>		
Period 6	PE 0.25	*	*
Period 7	*		*

\* indicates free space for band/art/electives/academic support/Special Education

### Sample Schedule: Career & Technical Education

9th Grade	Semester 1		Semester 2
Period 1	English I <i>plus option honors</i>		
Period 2	Modern World History <i>plus option honors</i>		
Period 3	Integrated Science <i>plus option honors, plus option Biology 9 honors</i>		
Period 4	Algebra I or Geometry <i>plus option Geometry honors</i>		
Period 5	PE 0.25	Health 0.25	
Period 6	CTE Exploratory & Shop Assignment		
Period 7	*		*
10th Grade	Semester 1		Semester 2
Period 1	English II <i>plus option honors</i>		
Period 2	United States I <i>plus option honors or AP US History I</i>		
Period 3	Biology <i>plus option honors,</i> <i>plus option Chemistry (if Biology in 9th grade)</i>		
Period 4	Geometry CP or Algebra II CP <i>plus option honors</i>		
Period 5	*		*
Period 6	Shop Assignment		Shop Assignment
Period 7	Shop Assignment		Shop Assignment**

\* indicates free space for band/art/electives/academic support/Special Education

\*\* PE happens during shop assignment time

## Business and Entrepreneurship Academy

Imagine your future. Do you see yourself . . .

- event planning and organizing corporate activities?
- taking risks on the floor of the Stock Exchange?
- working in sales and interacting with customers?
- designing a national advertisement campaign for Nike?
- becoming a Certified Public Accountant?
- becoming a financial planner?
- managing the career of a top athlete or recording artist?
- working in the fashion merchandising industry?
- becoming a recreation director or an athletic director?
- owning your own business?

**Every career is part of a business.** In the competitive 21<sup>st</sup> Century marketplace, the nature of business is competition; the versatility of a business background will make any student more marketable. Taking courses along the business pathway will provide a foundation of critical thinking, economic and consumer understanding, and, just as importantly, employability skills. Students will be equipped with the skills to critically analyze business opportunities, utilize technological solutions and create businesses that provide the goods and services for our ever-changing world.

### **Mission Statement:**

The Weymouth High School Business and Entrepreneurial Academy will build on the core 21<sup>st</sup> century skills by fostering communication, collaboration, and critical thinking. With real-life activities and experiences in finance, marketing, technology and economics, students will gain an understanding of business operations, will explore the advantages and challenges of entrepreneurship, and will be prepared for future academic, business and professional endeavors.

### **Career exploration available in this academy:**

- Accounting/Finance
- Marketing
- Sports Management

### **Business and Entrepreneurship Academy Requirements**

• Junior Year – Business required credits	1.5 credits
• Senior Year – Business required credits	1.5 credits
• Career Pathways electives	1 credit
• Business Capstone – Business Plan	1 credit
<b>Total Credits upon completion of Academy</b>	<b>5 credits</b>

## Business and Entrepreneurship Academy: Accounting & Finance

Students who have an interest in this pathway will expand their understanding and skills related to accounting and financial management, as well as explore broad career opportunities in the business and financial services industries and, in the process, equip them to make sound post-secondary and career choices. Coursework will provide students the opportunity to study and apply the fundamental accounting principles in a variety of business settings. Additionally, Business and Entrepreneurship Academy students will be provided opportunities to participate in activities created exclusively for academy members.

## Business & Entrepreneurship Academy: Accounting & Financing (continued)

### Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	Foreign Language		
Period 6	PE	Unified Arts: Personal Finance	Principles of Economics
Period 7	Advanced Computer Software Applications		Business Principles
12th Grade	Semester 1		Semester 2
Period 1	English Senior Skill Elective/Public Speaking/Semantics <i>plus option AP English II</i>		English Seminar Lit. Elective
Period 2	PE	**	Unified Arts Elective
Period 3	Math - Calculus and/or Statistics <i>plus option AP Calculus</i>		
Period 4	Intro to Entrepreneurship		**
Period 5	Financial Mathematics using Excel		Civic and Cultural Literacy I
Period 6	Accounting		
Period 7	Banking and Financial Management		Capstone Project - Business Plan

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** All clubs (treasurer position where applicable) and Skills USA

#### Required Pathway Courses:

- Economics
- Adv. Computer Applications
- Business Principles
- Accounting (full year)
- Introduction to Entrepreneurship

#### Pathway Electives:

- Financial Mathematics using Excel
- Banking and Financial Management
- Accounting II with Quickbooks
- Public Speaking
- Civic and Cultural Literacy I
- Semantics
- Statistics

## Business and Entrepreneurship Academy: Marketing/Advertising

Students in this pathway will have the opportunity to focus their studies on the fundamental principles of marketing. Students will develop marketing plans by analyzing customer needs and the market environment. Product development and pricing strategies, advertising and promotion planning, product distribution, and strategies for conducting market research will be explored in-depth. Students will have the opportunity to investigate current marketing trends including the recent introduction of e-marketing. Additionally, Business and Entrepreneurship Academy students will be provided opportunities to participate in activities created exclusively for academy members.

### Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	** (Foreign Language)		
Period 6	PE	Unified Arts: Personal Finance	Economics
Period 7	Advanced Computer Software Applications		Business Principles

## Business & Entrepreneurship Academy: Marketing/Advertising (continued)

### Suggested Schedule

12th Grade	Semester 1		Semester 2
Period 1	English Senior Skill Elective/Public Speaking/Semantics <i>plus option AP English II</i>		English Seminar Lit. Elective
Period 2	PE	**	Unified Arts Elective
Period 3	Advanced Web Design		Marketing/Advertising w/Desktop Publishing
Period 4	Math - Calculus and/or Statistics <i>plus option AP Calculus</i>		
Period 5	Intro to Entrepreneurship		Capstone Project - Business Plan and/or Producing WHS Yearbook
Period 6	Graphic Design		Civic and Cultural Literacy I
Period 7	WCAT Production		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Debate Team, Peer Mediation, SAAD, Skills USA, WCAT

#### Required Pathway Courses:

- Economics
- Adv. Computer Applications
- Introduction to Entrepreneurship
- Marketing
- Graphic Design

#### Pathway Electives:

- Advanced Web Design
- Yearbook Production
- WCAT Productions
- Civic and Cultural Literacy I
- Public Speaking
- Semantics
- Statistics

## Business and Entrepreneurship Academy: Sports Management

Students in this pathway will focus on the careers in business with a focus on the growing industry of Sports Management. Student experiences will be project-based using applicable technology. All aspects of managing a business will be explored, including business communication and financial management. A student who completes this program will be able to develop and manage a business plan for a small company and will apply accounting, marketing, and management concepts to realistic business scenarios. Additionally, Business and Entrepreneurship Academy students will be provided opportunities to participate in activities created exclusively for academy members.

### Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	Foreign Language		
Period 6	PE	Unified Arts: Personal Finance	Economics
Period 7	Advanced Computer Software Applications		Business Principles
12th Grade	Semester 1		Semester 2
Period 1	English Senior Skill Elective/Public Speaking/Semantics <i>plus option AP English II</i>		English Seminar Lit. Elective
Period 2	PE	Adv. Web Design	Unified Arts Elective
Period 3	Math - Calculus and/or Statistics <i>plus option AP Calculus</i>		
Period 4	The Science of Sports or Nutrition/Fitness		Sports Management
Period 5	WCAT Production		Civic and Cultural Literacy I
Period 6	Intro to Entrepreneurship		Capstone Project - Business Plan and/or Producing WHS Yearbook
Period 7	Coaching Course through PE		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

## Business & Entrepreneurship Academy: Sports Management (continued)

**Suggested Extra-curricular activities:** Best Buddies, MVP, Peer Mediation, SADD, Skills USA, Athletics, Team Manager

### Required Pathway Courses:

- Advanced Web Design
- Yearbook Production
- WCAT Productions
- Introduction to Entrepreneurship
- Sports Management
- Coaching Course (PE)

### Pathway Electives:

- WCAT Productions
- The Science of Sports
- Semantics
- Civic and Cultural Literacy I
- Nutrition/Fitness
- Public Speaking
- Statistics

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## Accounting and Finance Career Pathway College Articulation

Upon completion of the academy program, students will be prepared to complete the College Level Examination Program (CLEP) in Accounting. The College-Level Examination Program® (CLEP) gives you the opportunity to receive college credit for what you already know by earning qualifying scores on specific course examinations. Students would need to check with the college as to whether they accept CLEP tests. Students may access information about the CLEP tests via [www.collegeboard.com](http://www.collegeboard.com)

Additionally, students that complete the academy program with grades of B or better in academy courses may be eligible for up to 3 credits at Massasoit Community College.

### Sample Career Options | less than a 4 Year Degree

Accounting Clerk, Bank Teller, Bookkeeper, Brokerage Clerk, Payroll Clerk

### Sample Career Options | with a 4 Year Degree

Auditor, Bank Branch Manager, Controller, Financial Advisor, Loan Officer, Stockbroker, Tax Accountant

### Sample Career Options | more than a 4 Year Degree

Actuary, Certified Public Accountant, Chief Financial Officer, Economist, Statistician

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## Marketing/Advertising Career Pathway College Articulation

Upon completion of the academy program students, will be prepared to complete the College Level Examination Program (CLEP) in Marketing. Additionally, students that complete the academy program with grades of B or better in academy courses may be eligible for up to 3 credits at Massasoit Community College.

### Sample Career Options | less than a 4 Year Degree

Customer Service Representative, Sales Representative, Telemarketing

### Sample Career Options | with a 4 Year Degree

Email Marketing Producer, International Marketing Specialist, Marketing Research Analyst, Online Marketing Specialist, Public Relations Specialist

### Sample Career Options | more than a 4 Year Degree

Advertising & Promotions, Manager, Brand Manager, Field Marketing Manager, Product Manager, Promotions Manager

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## Sports Management Career Pathway College Articulation

Upon completion of the academy program students, will be prepared to complete the College Level Examination Program (CLEP) in Marketing. Additionally, students that complete the academy program with grades of B or better in academy courses may be eligible for up to 3 credits at Massasoit Community College.

### Sample Career Options | less than a 4 Year Degree

High School Coach, Real Estate Agent / Broker

### Sample Career Options | with a 4 Year Degree

College Coach, Athletic Director, Small Business Owner, Retail Manager, Risk Manager

### Sample Career Options | more than a 4 Year Degree

Sports Agent, Chief Operating Officer



## Fine Arts Academy

Imagine your future. Do you see yourself...

- publishing your own works of poetry and fiction?
- writing reviews of films, books and music?
- photographing news and sporting events?
- working as a freelance photographer?
- working as a commercial artist?
- drawing painting or sculpting?
- performing as a musician?
- conducting a music ensemble?
- recording music as a studio musician?
- producing sessions for recording artists?
- teaching the very arts that you are passionate about?

If you see yourself as a part of the literary, artistic, or musical world, the Fine Arts Academy is your best opportunity to make the most of your time at Weymouth High School. While all the Career Academies are designed to enhance the relevance of your course selections, the Fine Arts Academy specifically caters to those students with the desire to leave a creative and artistic impression on the world. By selecting the Fine Arts Academy, you will be preparing yourself for a career as a novelist, poet, freelance photographer, commercial artist, painter, musician, or music producer to name but a few. Consider the fact that some of the most prestigious colleges in the country are dedicated to the arts and art-related career pathways. Don't you deserve to follow your passion, tap into your creative voice, and develop the skills necessary to live the life you have always dreamed of?

**Mission Statement:** The Weymouth High School Fine Arts Academy is designed to enhance and integrate core 21st century skills with the inventive and creative nature of students in preparation for post secondary education and a career in the arts. Students will be prepared to utilize their creative voice to articulate self-expression in the production of various original texts, art, and performances, while further cultivating the core skills beyond the oral and written word.

### **Career exploration available in this academy:**

- Writing
- Music Education
- Music Performance and Industry
- Fine Art
- Commercial Art

### **Fine Arts Academy Requirements**

- |   |            |
|---|------------|
| • Pathway courses                               | 4 credits  |
| • Fine Arts Capstone                            | 1 credit   |
| <b>Total Credits upon completion of Academy</b> | <b>5.0</b> |

# Fine Arts Academy: Writing

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	PE	Intro to Creative Writing	Comics in Society
Period 6	Advertising with Desktop Publishing		Journalism
Period 7	Foreign Language or other Elective		

12th Grade	Semester 1		Semester 2
Period 1	The Art of Writing		Comedy & Humor Literature
Period 2	Foreign Language or other Elective		
Period 3	Semantics or Theories of Violence <i>plus option AP US II</i>		Lit. of Diversity or Lit. of Utopias
Period 4	Visual Language		Graphic Design
Period 5	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 6	World Religions		Public Speaking
Period 7	Capstone		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Best Buddies, MVP, Peer Mediation, SADD, Skills USA, Athletics, Team Manager

**Required Pathway Courses:**

- Art of Writing
- Journalism
- Capstone

**Pathway Electives:**

- Contemporary Humanities
- Film Criticism
- Visual Language
- Introduction to Creative Writing
- Capstone
- Comedy and Humor in Literature
- Semantics

# Fine Arts Academy: Music Education

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	PE	Piano I	Percussion
Period 6	Major Ensemble I (Band or Chorus) <i>plus option AP US II</i>		
Period 7	Music Focus I (Music Theory I)		Music Focus II (Music Theory II)

## Fine Arts Academy: Music Education Suggested Schedule (continued)

12th Grade	Semester 1		Semester 2
Period 1	Art of Writing <i>required if student does not take Humanities or AP English II; plus option AP English II or Contemporary Humanities (required if not Art of Writing)</i>		Drama
Period 2	PE	Piano II	Basic Web Design
Period 3	Major Ensemble II (Music Theory II or Composition) <i>plus option honors</i>		
Period 4	Major Focus III (Music Theory II or Composition) <i>plus option honors/AP</i>		Music Focus IV (Fund. of Music Tech. II)
Period 5	Music Major		Select Ensemble or Adv. Choral <i>plus option honors</i>
Period 6	Music Studio I		Music Studio II (Guitar II)
Period 7	Capstone/Jury		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Select Chorus, Jazz Band, Marching Band, Show Choir, Variety Show

**Required Pathway Courses:**

- Careers in Music
- Music Major
- Capstone: Jury Performance / Adjudication

**Strongly Recommended Cohort Specific Courses:**

- Art of Writing
- Music Theory I & II
- Percussion
- Fund. Of Music Technology I & II
- Contemporary Humanities
- Piano I & II or Guitar I & II
- Performance Ensemble (Band or Chorus)

## Fine Arts Academy: Music Performance

### Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	PE	Intro to Creative Writing	Careers in Music
Period 6	Music Studio I (Piano I, Guitar I, etc.) <i>plus option honors/AP</i>		Music Studio II (Piano II, Guitar II, etc.)
Period 7	Music Focus I (Music Theory I)		Music Focus II (Fund. of Music Tech.)

12th Grade	Semester 1		Semester 2
Period 1	Art of Writing <i>required if student does not take Humanities or AP English II; plus option AP English II or Contemporary Humanities (required if not Art of Writing)</i>		Drama
Period 2	PE	Piano II	Basic Web Design
Period 3	Major Ensemble (Band or Chorus) <i>plus option honors</i>		
Period 4	Major Focus III (Music Theory II / Composition) <i>plus option honors/AP</i>		Music Focus IV (Modern Harmony)
Period 5	Music Major		Select Ensemble or Adv. Choral <i>plus option honors</i>
Period 6	Music Studio III (Conducting)		Music Studio IV (Musicianship)
Period 7	Capstone/Jury		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Select Chorus, Jazz Band, Marching Band, Show Choir, Variety Show

**Required Pathway Courses:**

- Careers in Music
- Music Major
- Capstone: Jury Performance/Adjudication

**Strongly Recommended Cohort Specific Courses:**

- Art of Writing
- Music Theory I & II
- Percussion
- Piano I & II or Guitar I & II
- Contemporary Humanities
- Fund. of Music Technology I & II
- Performance Ensemble (Band or Chorus)

# Fine Arts Academy: Fine Art

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	PE	Intro to Creative Writing	Sculpture & Design
Period 6	Foreign Language or other Elective		
Period 7	Art II or Photography I or II		

12th Grade	Semester 1		Semester 2
Period 1	Art of Writing <i>required if student does not take Humanities or AP English II; plus option AP English II or Humanities</i>		Literature of Diversity
Period 2	PE	Basic Web Design	Digital Photography
Period 3	Visual Language		Mythology
Period 4	Foreign Language or additional elective		
Period 5	Art III or Photography II or III <i>plus option AP Art</i>		
Period 6	Contemporary Humanities (required if not Art of Writing)		
Period 7	Capstone Project Studio		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Art Club, Environmental Club, Amnesty International, WHS Free Press, The Muse

### Required Pathway Courses:

- Art I, II, & III or Photography I, II, & III
- Capstone Project Studio

### Strongly Recommended Cohort Specific Courses:

- Art of Writing
- Sculpture & Design
- Visual Language
- Introduction to Creative Writing
- Contemporary Humanities
- Basic Web Design
- Visual Language

# Fine Arts Academy: Commercial Art

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	PE	Yearbook Creation	Sculpture & Design
Period 6	Graphic Design or Advertising with Desktop Publishing		Drawing & Painting
Period 7	Art II or Photography II		

## Fine Arts Academy: Commercial Art Suggested Schedule (continued)

12th Grade	Semester 1		Semester 2
Period 1	Art of Writing or Public Speaking <i>plus option AP English II or Contemporary Humanities</i>		Mythology
Period 2	PE	Basic Web Design	Digital Photography
Period 3	Yearbook Production		Visual Language II
Period 4	Foreign Language or additional elective		
Period 5	Art III or Photography III <i>plus option AP Art</i>		
Period 6	Additional Elective		
Period 7	Capstone Project Studio		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Art Club, Literary Magazine, Amnesty International, Yearbook Staff, Newspaper

### Required Pathway Courses:

- Art I, II, & III or Photography I, II, & III
- Capstone Project Studio

### Strongly Recommended Cohort Specific Courses:

- Art of Writing
- Journalism
- Sculpture & Design
- Introduction to Creative Writing
- Contemporary Humanities
- Public Speaking
- Digital Photography
- Visual Language



# Global Languages Academy

Picture your future, do you see yourself...

- advising government officials about customs and policies of other nations?
- traveling with an international relief organization?
- providing a voice for international visitors as an interpreter?
- teaching about other cultures and languages as an educator?
- volunteering in the Peace Corps?
- working to advance breakthroughs in science through research?
- advancing your understanding of the English language through its classical roots?
- scouting and negotiating for international players as a sports agent?
- ensuring the safety of our nation as a Homeland Security Officer?
- participating in a global economy as an international business person?
- interpreting in Sign Language for the Deaf and hard of hearing?

**Imagine...**using your foreign language skills to work in our global community. Speaking a foreign language not only opens up doors for job opportunities in an international setting, but there is a need for foreign language skills in the United States as well. By enrolling in the Global Languages Academy, students will be exposed to many employment options that are enhanced by knowing a foreign language.

**Mission Statement** The Global Languages Academy seeks to prepare students for world citizenship by integrating the 21st century skills of communication, collaboration, and problem solving. Students will develop proficiency in a world language(s), multi-cultural literacies, and global awareness.

**Career exploration available in this academy:**

- International Studies
- Human Services
- Foreign Language
- Hospitality Industry
- International photojournalist, travel writer, correspondent
- International medical professional
- Global Literature

**Global Languages Academy Requirements**

- Foreign Language 3 credits
- Pathway Electives 1 credit
- GLA Capstone 1 credit
- Total Credits upon completion of Academy 5 credits**

# Global Languages Academy: International Studies

Suggested Schedule *(for students interested in international affairs)*

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math <i>plus option AP Statistics</i>		
Period 4	Anatomy or Physiology		
Period 5	PE	Personal Finance	Literature of Diversity
Period 6	Foreign Language		
Period 7	Civic and Cultural Literacy I <i>plus option AP European History</i>		Civic and Cultural Literacy II
12th Grade	Semester 1		Semester 2
Period 1	Mythology <i>plus option AP English II</i>		Literature of Diversity
Period 2	PE	Basic Web Design	World Religions
Period 3	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 4	**		**
Period 5	Human Geography		Culture & Conflict
Period 6	Foreign Language <i>plus option AP Foreign Language</i>		
Period 7	GLA Capstone		

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Amnesty International, Rotary Interact, Diversity Club, GSA

## Pathway Electives:

- Human Geography
- World Religions
- Culture and Conflict
- Civic and Cultural Literacy I
- Civic and Cultural Literacy II

# Global Languages Academy: Human Services

Suggested Schedule *(for students interested in a human or social services career)*

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option AP Statistics</i>		
Period 4	Bioethics		Legal Studies I
Period 5	PE	Personal Finance	Culture and Conflict
Period 6	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 7	Civic and Cultural Literacy I <i>plus option AP European History</i>		Civic and Cultural Literacy II

## Global Languages Academy: Human Services Suggested Schedule (continued)

12th Grade	Semester 1		Semester 2
Period 1	Semantics <i>plus option AP English II</i>		Theories of Violence in American Culture
Period 2	PE	Basic Web Design	World Religions
Period 3	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 4	Literature of Diversity <i>plus option: Literature of Utopias</i>		Human Geography
Period 5	Mythology		Legal Studies
Period 6	Foreign Language <i>plus option AP Foreign Language</i>		
Period 7	GLA Capstone		

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Best Buddies, MVP, Peer Mediation, SAAD, GSA

### Pathway Electives:

- Psychology and Sociology (*Plus Option: AP Psychology*)
- Culture and Conflict
- Civic and Cultural Literacy II
- Human Geography
- Civic and Cultural Literacy I

## Global Languages Academy: Foreign Languages Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option AP Statistics</i>		
Period 4	Anatomy and Physiology <i>plus option AP Biology</i>		
Period 5	PE	Basic Web Design	Unified Arts
Period 6	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 7	Second Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
12th Grade	Semester 1		Semester 2
Period 1	Public Speaking <i>plus option AP English II</i>		Theories of Violence in American Culture
Period 2	PE	Advanced Web Design	Unified Arts
Period 3	First Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 4	Legal Studies I		Culture & Conflict
Period 5	Mythology		Legal Studies
Period 6	Journalism		Human Geography
Period 7	GLA Capstone		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Amnesty International, Rotary Interact, Diversity Club, GSA

### Pathway Electives:

- Human Geography
- Culture and Conflict
- Legal Studies I
- Journalism

# Global Languages Academy: Hospitality Industry

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry		
Period 4	Environmental Science		
Period 5	PE	Personal Finance	Business Principles and Management
Period 6	College Accounting I		
Period 7	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
12th Grade	Semester 1		Semester 2
Period 1	Public Speaking <i>plus option AP English II</i>		Comedy and Humor in Literature
Period 2	PE	Web Design	Human Geography
Period 3	Advanced Computer Software Applications		Banking and Financial Management
Period 4	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 5	Advanced Accounting II		
Period 6	ASL or other second foreign language		
Period 7	GLA Capstone		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Rotary Interact, Peer Mediation, Student Senate, Debate Team, Best Buddies, GSA

### Pathway Electives:

- Human Geography
- Banking and Financial Management
- Advanced Computer Software Application
- Advanced Accounting II

# Global Languages Academy: International Photojournalist, Travel Writer, Correspondent

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Precalculus <i>plus option AP Statistics</i>		
Period 4	Advanced Photography III		
Period 5	PE	Architecture	Journalism
Period 6	French (or other second foreign language)		
Period 7	Spanish II, III, or IV <i>plus option French IV / V honors</i>		

## Global Languages Academy: International Photojournalist, Travel Writer, Correspondent Suggested Schedule (continued)

12th Grade	Semester 1		Semester 2
Period 1	Journalism <i>plus option AP English II or The Art of Writing</i>		Theories of Violence in American Culture
Period 2	PE	Web Design	Human Geography
Period 3	Digital Photography		Culture and Conflict
Period 4	Spanish IV or V <i>plus option AP Spanish</i>		
Period 5	Environmental Science		
Period 6	French (or other second foreign language)		
Period 7	GLA Capstone		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Amnesty International, Rotary Interact, GSA

**Pathway Electives:**

- Human Geography
- Culture and Conflict
- Digital Photography
- Environmental Science

## Global Languages Academy: International Medical Professional Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option AP Statistics</i>		
Period 4	Anatomy and Physiology		
Period 5	PE	Personal Finance	Literature of Diversity
Period 6	Latin (or other second foreign language)		
Period 7	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		

12th Grade	Semester 1		Semester 2
Period 1	World Literature <i>plus option AP English II</i>		
Period 2	PE	Microsoft Word with Keyboard Techniques	Human Geography
Period 3	Biochemistry		Bioethics
Period 4	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 5	Precalculus <i>plus option Calculus or AP Calculus AB/BC</i>		
Period 6	Second Foreign Language <i>plus option AP or honors if available in the Foreign Language</i>		
Period 7	GLA Capstone		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Rotary Interact, Diversity Club, Peer Mediation, SADD, GSA

**Pathway Electives:**

- Human Geography
- Biochemistry
- Bioethics
- Anatomy and Physiology

# Global Languages Academy: Global Literature

Suggested schedule for a student with an interest in early global literature.

## Suggested Schedule: Hospitality Industry

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option AP Statistics</i>		
Period 4	Anatomy and Physiology		
Period 5	PE	Architecture	Literature of Diversity
Period 6	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 7	Civic and Cultural Literacy I <i>plus option AP European History</i>		Civic and Cultural Literacy II
12th Grade	Semester 1		Semester 2
Period 1	World Literature <i>plus option Contemporary Humanities or AP English II</i>		
Period 2	PE	Personal Finance	World Religions
Period 3	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 4	Geology Survey **		Bioethics **
Period 5	Children's Literature		Film Criticism <i>plus option Utopias</i>
Period 6	Foreign Language <i>plus option AP or Honors if available in the Foreign Language</i>		
Period 7	GLA Capstone		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Literary Magazine, WHS Free Press, Drama, Amnesty International, Multicultural Club/ Diversity, GSA

### Pathway Electives:

- World Religions
- Psychology and Sociology
- World Literature



# Humanities Academy

## Imagine your future. Do you see yourself...

- teaching young children to read and write in an elementary classroom?
- protecting the public as a law enforcement agent?
- investigating crimes and crime scenes?
- arguing a case before a jury or becoming a judge?
- breaking the next big story on the five o' clock news?
- interviewing politicians, celebrities, and eyewitnesses?
- running your own company, promoting musicians and artists?
- helping clients as a practicing counselor or psychologist?
- rehabilitating criminal offenders?
- running for public office?
- teaching high school or becoming a college professor?
- managing a key politician's national campaign?

Whether you see yourself debating on the Senate floor and writing laws, managing national campaigns for musicians, politicians or products, teaching in an energetic and diverse classroom, protecting the public from dangerous criminals, traveling the world reporting on the latest news, or any of a variety of thrilling careers, the Humanities Academy is the starting point for **your** unique, exciting and dynamic journey.

You *will* change minds and impact the world with your passions, thoughts, speech and writing. You *will* create, debate, inspire, think, counsel and lead. People will turn to *you* for *your* knowledge, perspective, experience and abilities as you blaze your own trail through the 21<sup>st</sup> century. You *will* change the world... and it all begins here, with the Humanities Academy.

Discover who you are, how people think, how they communicate and interact and what it means to be *alive* in the world today by studying the most engaging material in philosophy, ethics, sociology, psychology, law, communications, education, history and literature. Learn from the greatest thinkers, and add **your voice** to their discussion. Prepare for college and careers by wrestling with real-life problems and contributing to practical solutions, affecting your school, town and world. Discover how to maximize your potential and be the best thinker, reader and communicator you can possibly be. With the Humanities Academy, there are no limits!

**Mission Statement:** Focusing on literature, language, social studies and the related fields, the Humanities Academy will build upon the work of the Core Academies by fostering practical problem-solving, self-discovery and individuality. By extending learning into the community, all students will graduate with the knowledge, values and skills to become successful in a wide variety of careers as well as becoming active and responsible members of society.

### Career exploration available in this academy:

- Education
- Journalism/Communication
- Politics/Public Service
- Criminal Justice/Law
- Psychology/Counseling
- Liberal Arts

### Humanities Academy Requirements\*

- Social Studies: 2.5 credits *beyond the 3 credit WHS graduation requirement*
- E.L.A. 1.5 credits *beyond the 3 credit WHS graduation requirement*
- Humanities Capstone 1.0 credits

**Total Credits upon completion of the Academy 5.0 credits**

\*As Humanities Academy members, students are *strongly encouraged* to utilize their Unified Arts electives to experience the broadest range of experiences as possible in both Music and Art.

# Humanities Academy: Elementary Education

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Anatomy and Physiology		
Period 5	PE	Basic Web Design	Unified Arts
Period 6	** Sign Language I / Spanish III		
Period 7	Civic and Cultural Literacy I <i>plus option AP European History</i>		Civic and Cultural Literacy II
12th Grade	Semester 1		Semester 2
Period 1	Semantics <i>plus option AP English II</i>		Literature of Diversity
Period 2	PE	Basic Web Design	Unified Arts
Period 3	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 4	Theories of Violence in American Culture		World Religions
Period 5	Children's Literature		Public Speaking
Period 6	** Sign Language II / Spanish IV		
Period 7	Capstone Research Project		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** Best Buddies, MVP, Peer Mediation, SAAD

### Pathway Electives:

- Basic Web Design
- Children's Literature
- Public Speaking
- Sign Language
- Psychology
- Sociology
- World Religions

### Suggested Unified Arts Electives:

- Basic Web Design

# Humanities Academy: Secondary Education

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math		
Period 4	Anatomy and Physiology		
Period 5	PE	Basic Web Design	Unified Arts
Period 6	** Foreign Language or Free Elective		
Period 7	Public Speaking		Literature of Diversity
12th Grade	Semester 1		Semester 2
Period 1	Semantics <i>plus option AP English II</i>		Comedy
Period 2	PE	**	Unified Arts
Period 3	World Religions		Theories of Violence in American Culture
Period 4	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 5	Civil and Cultural Lit. I		**
Period 6	** Foreign Language or Free Elective		
Period 7	Capstone Research Project		

## Humanities Academy: Secondary Education Suggested Schedule (continued)

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives (please note Sign Language is suggested)

**Suggested Extra-curricular activities:** Best Buddies, MVP, Peer Mediation, SAAD, Amnesty International.

### Pathway Electives:

- Basic Web Design
- Public Speaking
- Psychology
- Sociology
- World Religions
- Electives and plus options should be taken in your desired content field

### Suggested Unified Arts Electives:

- Basic Web Design

## Humanities Academy: Law and Criminal Justice

### Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III (currently British Literature) <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP American History II or AP European History</i>		
Period 3	Math		
Period 4	Science		
Period 5	PE	**	Unified Arts
Period 6	Legal Studies I		Legal Studies II
Period 7	***		***
12th Grade	Semester 1		Semester 2
Period 1	Theories of Violence in American Culture <i>plus option AP English II</i>		Senior Lit. Elective
Period 2	PE	**	Unified Arts
Period 3	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 4	Semantics		Public Speaking
Period 5	Civil and Cultural Literacy I		Journalism
Period 6	***		***
Period 7	Capstone Research Project		**

\* Students must be enrolled in at least 6.0 credits per year

\*\* denotes time allotted for extra PE (Criminal Justice), or writing lab (Law/CJ).

\*\*\* denotes time allotted for foreign language, AP courses, or additional electives

[preferably *The Art of Problem Solving (Math and Science)*, *Symbolic Logic (Math and Science)* or *Philosophy (Humanities)*]

**Suggested Extra-curricular activities:** Debate team, Mock Trial, WCAT, School newspaper, Amnesty International, Latin Club, Maroon and Gold Scholar project, Boys/Girls State, Student Senate, Peer Mediation, SADD or other service organizations, Mentors in Violence Prevention, Athletics.

### Pathway Electives:

- Legal Studies I (required)
- Public Speaking
- Theories of Violence in American Culture
- Symbolic Logic
- Legal Studies II
- Semantics
- The Art of Problem Solving

### Suggested Unified Arts Electives:

- Careers in Music

# Humanities Academy: Journalism and Communications

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English 11 <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP American History II or AP European History</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Environmental Science		
Period 5	PE	**	WCAT Production
Period 6	**		
Period 7	Journalism		Culture and Conflict U.S.
12th Grade	Semester 1		Semester 2
Period 1	Public Speaking <i>plus option The Art of Writing; AP English II</i>		Literature of Diversity
Period 2	PE	**	Unified Arts
Period 3	Civil and Cultural Literacy I		Civil and Cultural Literacy II
Period 4	Semantics		Comedy
Period 5	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 6	**		**
Period 7	Capstone Research Project		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** WHS Free Press, Yearbook, Amnesty International

### Pathway Electives:

- Journalism (required)
- Civic and Cultural Literacy I and II

- Public Speaking
- Semantics

### Suggested Unified Arts Electives:

- Careers in Music

# Humanities Academy: Politics/Public Policy

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science <i>plus option AP Environmental Science</i>		
Period 5	PE	**	Unified Arts
Period 6	Political Affairs <i>plus option AP US Government &amp; Politics</i>		Legal Studies I
Period 7	**		**
12th Grade	Semester 1		Semester 2
Period 1	Semantics <i>plus option AP English II</i>		Senior Literature Elective <i>plus option Literature of the Utopias</i>
Period 2	PE	**	Unified Arts
Period 3	Psychology and Sociology <i>plus option AP Psychology</i>		
Period 4	Public Speaking		Theories in Violence
Period 5	Civil and Cultural Literacy I <i>plus option AP Modern European History</i>		Literature of Diversity
Period 6	**		**
Period 7	Capstone Research Project		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

## Humanities Academy: Secondary Education Suggested Schedule (continued)

### Pathway Electives:

- Political Affairs
- Semantics
- Public Speaking
- Literature of the Utopias
- Legal Studies I
- Civic & Cultural Literacy I

### Other Available Options:

- Legal Studies II
- Sociology
- Psychology
- Literature of Diversity
- Theories of Violence
- AP Psychology
- Civic & Cultural Literacy II
- AP Government and Politics

## Humanities Academy: Psychology and Counseling

### Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Anatomy and Physiology <i>plus option AP Biology</i>		
Period 5	PE Nutrition and Fitness	**	Unified Arts
Period 6	** (Foreign Language)		**
Period 7	Legal Studies I <i>plus option AP Psychology</i>		Psychology as a Science
12th Grade	Semester 1		Semester 2
Period 1	Theories in Violence in American Culture <i>plus option AP English II</i>		Senior Literature Elective
Period 2	PE	**	Unified Arts
Period 3	Psychology as a Science II		
Period 4	Semantics		Public Speaking
Period 5	Civil and Cultural Literacy I		Comedy
Period 6	** Statistics/Anatomy and Physiology		
Period 7	Capstone Research Project		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** WHS Free Press, Yearbook, Amnesty International

### Pathway Electives:

- Psychology as a Science I (Plus Option AP Psych) – required
- Civic and Cultural Literacy I
- Semantics
- Anatomy and Physiology
- Psychology as a Science II (Plus Option AP Psych) – required
- Public Speaking
- Theories of Violence in American Culture
- Statistics

### Other Available Options

- Legal Studies I & II
- Comedy
- Civic and Cultural Literacy II
- Utopias

# Humanities Academy: Liberal Arts

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Math <i>plus option AP Statistics</i>		
Period 4	Science		
Period 5	PE	**	Unified Arts
Period 6	** (Foreign Language)		**
Period 7	Civil and Cultural Literacy I <i>plus option AP European</i>		Mythology
12th Grade	Semester 1		Semester 2
Period 1	Theories in Violence in American Culture <i>plus option AP English II or Contemporary Humanities</i>		Literature of Diversity <i>plus option Literature of Utopias</i>
Period 2	PE	**	Unified Arts
Period 3	Civic and Cultural Literacy II		Economics
Period 4	Semantics		Public Speaking
Period 5	WWII		Political Affairs
Period 6	**		**
Period 7	Capstone Research Project		**

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

**Suggested Extra-curricular activities:** WHS Free Press, Yearbook, Amnesty International

### Pathway Electives: Social Studies

- Economics
- Civil War
- Political Affairs
- Legal Studies I
- WWII
- Culture & Conflict
- Legal Studies II
- World Religions
- Psychology and Sociology
- Civic & Cultural Literacy I & II

### Pathway Electives: English

- Public Speaking
- Journalism
- Art of Writing
- Semantics
- Film Criticism
- Literature of Utopia
- Mythology
- Theories of Violence
- Literature of Diversity
- Contemporary Humanities

### Pathway Electives: Math

- Java Programming

### Pathway Electives: Science

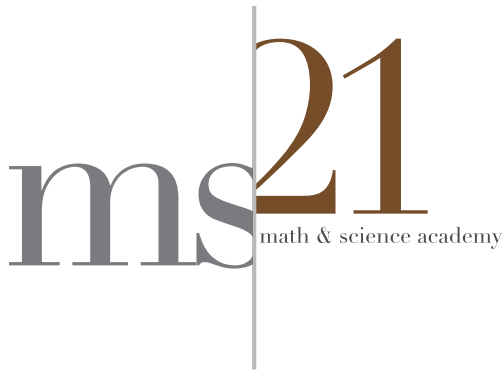
- Environmental science
- Anatomy & Physiology

### Pathway Elective: Business

- Personal Finance & Decision Making
- Entrepreneurship
- Business Principles & Management
- Marketing

### Pathway Elective: Music

- Music Theory
- Music History
- Careers in Music



# Math and Science Academy

**Imagine your future. Do you see yourself . . .**

- working with a team of researchers in a lab or in the field?
- programming and testing the latest video game?
- writing code for the world's leading software companies?
- proving and disproving cutting-edge theorems in mathematics?
- identifying and cataloguing new species of plants or animals?
- helping architects design structurally sound buildings and bridges?
- researching and designing new drugs to help cure cancer and other maladies?
- using statistics to predict the future of financial markets?
- working with animals as a veterinarian or veterinary assistant?
- teaching math or science to a group of eager students?
- becoming an environmental engineer to study the effects of global warming?
- working in the renewable energy sector as a Wind Farm Project Developer?
- studying ocean currents as a marine biologist?
- being part of a research and development team on the newest hybrid vehicle?

We live in a world defined by math and science. Your phone, your television, your computer and even the cars in which you ride around, all are the products of years of scientific and mathematical research. Without dedicated mathematicians and scientists we would live in a world far different than the one in which we live. We would not have doctors to care for the sick (human or otherwise). We would not have chemists to discover cures for illness. We would not have the internet bringing information to our fingertips. We would be stuck in the Iron Age – if we were lucky.

Have you ever heard a scientific discovery announced and been excited? Whether it is the discovery of a new species of animal, the first picture of a pulsar, or the testing of a new medicine you could be a part of that in the future. Have you ever looked forward to a new video game or the release of a new search engine? You could be on the development side some day. Has the discovery of a new prime number or a new way of encoding data ever intrigued you? Your name could be on the next major breakthrough.

Science and math drive humanity forward as we progress to the future. You could be a part of that future!

**Mission Statement:** The WHS Math and Science Academy will prepare students for 21<sup>st</sup> Century careers through the development of problem solving techniques using both inductive and deductive logic, as well as, developing abstract and critical thinking and communication skills.

## **Career exploration available in this academy:**

- Computer Programming
- Medical
- Biological Science
- Physical Science
- Engineering
- Actuarial Science

## **Math and Science Academy Requirements:**

- |   |                  |
|---|------------------|
| • Math and Science:                             | 3.0 credits      |
| • Psychology as a Science I                     | 0.5 credits      |
| • Computer Programming                          | 0.5 credits      |
| • Math and Science Capstone                     | 1 credits        |
| <b>Total Credits upon completion of Academy</b> | <b>5 credits</b> |

# Math and Science Academy: Computer Programming

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option AP Statistics</i>		
Period 4	Chemistry <i>plus option Physics</i>		
Period 5	PE	Lab	11th Grade Capstone (optional)
Period 6	**		**
Period 7	Java Programming I		Java Programming II
12th Grade	Semester 1		Semester 2
Period 1	English Electives <i>plus option AP English II</i>		English Electives
Period 2	PE	Lab	**
Period 3	Psychology as a Science I <i>plus option AP Psychology</i>		Art of Problem Solving
Period 4	Physics or Calculus <i>plus option AP Science or Calculus</i>		
Period 5	AP Computer Science		
Period 6	**		
Period 7	Capstone Research Project		Internship/Community Service

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives

Note: It is heavily suggested that students hoping to pursue a career in Computer Programming take both Math and Science during their senior year.

**Suggested Extra-curricular activities:** Math Team, Computer Team

# Math and Science Academy: Medical

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option AP Calculus</i>		
Period 4	Chemistry <i>plus option Physics</i>		
Period 5	PE	Lab	11th Grade Capstone (optional)
Period 6	**		**
Period 7	Java Programming I		Psychology as a Science I
12th Grade	Semester 1		Semester 2
Period 1	English Electives <i>plus option AP English II</i>		English Electives
Period 2	PE	Lab	**
Period 3	Precalculus <i>plus option AP or Honors Calculus</i>		
Period 4	Physics <i>plus option AP Biology</i>		
Period 5	Anatomy and Physiology		
Period 6	**		
Period 7	Capstone Research Project		Internship/Community Service

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives. Note: students may substitute AP Psychology for Psychology. **Suggested Extra-curricular activities:** Math Team, Computer Team.

# Math and Science Academy: Engineering

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option Precalculus</i>		
Period 4	Chemistry <i>plus option Physics</i>		
Period 5	PE	Lab	11th Grade Capstone (optional)
Period 6	**		**
Period 7	Java Programming I		Psychology as a Science I
12th Grade	Semester 1		Semester 2
Period 1	English Electives <i>plus option AP English II</i>		English Electives
Period 2	PE	Lab	**
Period 3	Precalculus <i>plus option AP or Honors Calculus</i>		
Period 4	Physics <i>plus option AP Chemistry or Biology</i>		
Period 5	Applied Physics for the Engineer ***		
Period 6	**		
Period 7	Capstone Research Project		Internship/Community Service

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives. \*\*\* Course currently not offered.

Note: Students may substitute AP Psychology for Psychology. **Suggested Extra-curricular activities:** Math Team, Computer Team.

# Math and Science Academy: Physical Science

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option Precalculus</i>		
Period 4	Chemistry <i>plus option Physics</i>		
Period 5	PE	Lab	11th Grade Capstone (optional)
Period 6	**		**
Period 7	Java Programming I		Psychology as a Science I
12th Grade	Semester 1		Semester 2
Period 1	English Electives <i>plus option AP English II</i>		English Electives
Period 2	PE	Lab	**
Period 3	Precalculus <i>plus option AP or Honors Calculus</i>		
Period 4	Physics <i>plus option AP Chemistry or Biology</i>		
Period 5	Physical Science Elective ***		
Period 6	**		
Period 7	Capstone Research Project		Internship/Community Service

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives. \*\*\* Elective may be chosen from the following courses: AP Chemistry, AP Physics, Astronomy, or Organic Chemistry and Geology (both must be taken). Note: Students may substitute AP Psychology for Psychology. **Suggested Extra-curricular activities:** Math Team, Computer Team.

# Math and Science Academy: Biological Science

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option Precalculus</i>		
Period 4	Chemistry <i>plus option Physics</i>		
Period 5	PE	Lab	11th Grade Capstone (optional)
Period 6	**		**
Period 7	Java Programming I		Psychology as a Science I

12th Grade	Semester 1		Semester 2
Period 1	English Electives <i>plus option AP English II</i>		English Electives
Period 2	PE	Lab	**
Period 3	Precalculus <i>plus option AP or Honors Calculus</i>		
Period 4	Physics <i>plus option AP Biology</i>		
Period 5	Biological Science Elective †		
Period 6	**		**
Period 7	Capstone Research Project		Internship/Community Service

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives. \*\*\* Course currently not offered \*\*\*

† Elective may be chosen from the following courses: AP Biology, AP Environmental Science, H or CP Environmental Science, Anatomy and Physiology, Botany, or Organic Chemistry and Biochemistry (must be taken together). Note: Students may substitute AP Psychology for Psychology. **Suggested Extra-curricular activities:** Math Team, Computer Team.

# Math and Science Academy: Actuarial Science / Financial Mathematics

## Suggested Schedule

11th Grade	Semester 1		Semester 2
Period 1	English III <i>plus option AP English I</i>		
Period 2	US History II <i>plus option AP US II</i>		
Period 3	Advanced Math / Trigonometry <i>plus option Precalculus</i>		
Period 4	Chemistry <i>plus option Physics</i>		
Period 5	PE	Lab	11th Grade Capstone (optional)
Period 6	**		**
Period 7	Statistics <i>plus option AP Statistics</i>		

12th Grade	Semester 1		Semester 2
Period 1	English Electives <i>plus option AP English II</i>		English Electives
Period 2	PE	Lab	**
Period 3	Precalculus <i>plus option AP or Honors Calculus</i>		
Period 4	Physics <i>plus option AP Biology</i>		
Period 5	Biological Science Elective ***		
Period 6	**		**
Period 7	Capstone Research Project		Internship/Community Service

\* Students must be enrolled in at least 6.0 credits per year. \*\* Free periods for electives. \*\*\* Course Currently not offered.

Note: Students may substitute AP Psychology for Psychology. **Suggested Extra-curricular activities:** Math Team, Computer Team.

## STUDENT SUPPORT PROGRAMS

### ACT PROGRAM

The ACT Program (Academic Challenge and Transition) is designed for students attending Weymouth High School in grades 9-12 that may have emotional, behavioral, or social adjustment concerns and are in need of support within a small structured educational setting to maintain and succeed in the general high school setting. The goal is to give the individual student emotional acceptance, pro-social guidance, academic support, and improve commitment to education within a small structured learning environment so he/she may learn adaptive skills for a successful transition into larger classes within the general education population of the high school. Students are in an educational environment that is carefully structured so that expectations and consequences are clear to students and are highly predictable (consistent within the classes within the program). General education teachers, special education teachers, and paraprofessionals provide curricula aligned with the Massachusetts State Frameworks. Instructional tasks are purposeful and a level of conduct is maintained.

### ALTERNATIVE PROGRAM

The Alternative Program is designed to provide a full day setting for students that have been unsuccessful in the main stream setting. Our goal is to reconnect high school students with a renewed investment in education, teach all students to read, write, and speak consistent with the Massachusetts Curriculum Frameworks and to behave in a socially acceptable way so that they can become economically independent. The Alternative Program is committed to providing all students with a high quality education, quality educational resources, career development opportunities, and focus on higher education.

The Alternative Program, housed off-site in a separate facility, is part of Weymouth High School. It provides accommodations to both general and special education students in grades 9-12 who demonstrate a variety of emotional, behavioral, social and/or learning problems. On a case by case basis some students follow the Weymouth High School Program of Studies but in smaller, more structured classes. Students in the Alternative Program are eligible to take classes at the main campus. All students benefit from the services of the school adjustment counselor in individual, group and/or crisis counseling. All staff members provide milieu counseling throughout the day. Staff at the Alternative Program work closely with parents, as well as any outside agencies involved, to assure a consistent, systematic team approach to working with students.

Prerequisite: All referrals made through the Principal.

#### **2001 ENGLISH WRITING** Un-leveled (.5 credit)

This course is designed for students at the Alternative High School who need support improving and mastering clear and grammatically correct writing. Emphasis will be on developing a more expansive vocabulary, advanced study techniques, and improved listening and speaking strategies.

(Semester course)

#### **2003 RESEARCH WRITING** College Prep (.5 credit)

Research writing introduces high school students to writing skills required for a successful high school experience. The focus of the course is the progressive development of research writing strategies culminating in a major research assignment and presentation. This course utilizes the school wide manual for conducting research. In conjunction with internet and text sources, the use of primary and secondary sources and the reliability of information are addressed.

(Semester course)

#### **2016 FACING HISTORY AND OURSELVES** College Prep (.5 credit)

The purpose of this course is to engage students of diverse backgrounds in an examination of racism, prejudice, and anti-Semitism in order to promote the development of a more humane and informed citizenry. By studying the historical development and lessons of the Holocaust and other examples of genocide, students make the essential connection between history and the choices they confront in their own lives. This course may be applied towards fulfillment of the Social Studies core graduation requirement.

(Semester course, open to grade 12)

#### **2017 ETHICS** College Prep (.5 credit)

This course will explore the meaning of ethics as it relates to our lives as individuals, community members, and citizens of the world. It will analyze the relationship between behavior and consequences, discuss what responsibilities accompany our rights, and determine whether or not America's moral barometer is rising or falling. This course may be applied towards fulfillment of the Social Studies core graduation requirement.

(Semester course, open to grade 12)

#### **2097 SCHOOL TO WORK** Un-leveled (1 credit)

Students will be released from school to enable them to become employed in the workforce. This employment must be documented with a minimum of 15 hours per week. Contracts will be signed and job performance will be monitored by a job coach. Students participating in the School to Work Program must have passed MCAS in order to participate.

(Full year course open to grades 11, 12)

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# ART DEPARTMENT

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Seventy-five percent of one's day is spent making visual decisions. Learning how to make those decisions is important. Therefore, take a course in the art and logic of making the right decisions. Learn how to observe, appreciate, and create a better, richer, and more intelligent approach to all you see and do. This is the art we teach – the art of living.

The prime concern of the Art Department is to enrich and reward the lives of students by teaching them to see. Our program is designed to develop critical and creative thinking in many areas of two and three – dimensional design. Our intent is to have students become more comfortable with increasingly more sophisticated projects incorporating the elements and principles of design. Courses are designed to be sequential by continuing and enriching skills acquired in previous courses.

**2201 DRAWING AND PAINTING** College Prep (.5 credit)  
This course is designed to meet the needs of the motivated art student. Emphasis will be on skill development in drawing and painting. A wide variety of drawing and painting art materials will be utilized.  
(Semester course, open to grades 9, 10, 11, 12)

**2202 SCULPTURE & DESIGN** College Prep (.5 credit)  
The basic philosophy of this course is: "Form follows Function" as stated by Frank Lloyd Wright and introduces students to three-dimensional design. The course is a hands on problem solving class that uses sculptural materials such as ceramics, cardboard, wood, wire and glass. Evaluation will be continuous from conception to completion.  
(Semester course, open to grades 9, 10, 11, 12)

**2204 COMICS IN SOCIETY** College Prep (.5 credit)  
Comics in Society focuses on experimentation and innovation through an understanding of art in comics, the history of the comic strip and its role as a social and political commentary in American culture. Emphasis is placed on drawing, character development and narrative skills.  
(Semester course, open to grade 9, 10, 11, 12)

**2206 FUNDAMENTALS OF ART** College Prep (.5 credit)  
Fundamentals of Art provides an introduction to the core concepts of the visual arts. Students interested in art are encouraged to begin here. The fundamentals will be presented in a manner which gives a strong understanding of color, form, line shape, value, texture, space, anatomy, and perspective. It also provides an opportunity to explore various media, some of which include: temperas, water color, ink, crayons, colored pencils, acrylics, and pastels.  
(Semester course, open to grades 10, 11, 12)

**2210 INTRODUCTION TO PHOTOGRAPHY** College Prep (.5 credit)  
This course provides an introduction to the core concepts of black and white photography and composition, "painting and drawing with light." Students are introduced to the simple camera and basic darkroom procedures. Readings, research, and basic photography are required.  
Prerequisite: Student must have a simple camera that accepts 35mm film and ten rolls of film. There is a \$25.00 fee for this course which does not include film.  
(Semester course, open to grade 9, 10, 11, 12)

**2212 PHOTOGRAPHY I** College Prep (1 credit)  
This course is considered an art course with enrollment limited by darkroom space and instructor recommendation. Student involvement is divided between two highly related areas analog and digital photo manipulation. Students are assigned readings, research, and special photography assignments.  
Prerequisite: Students must have a manually adjustable 35mm camera, photography paper, film and a sincere interest in photography as an art form. There is a \$75.00 fee for this course which does not include film.  
(Full year course, open to grades 10, 11, 12)

## ART DEPARTMENT (CONTINUED)

### 2214 PHOTOGRAPHY II

College Prep

(1 credit)

Photography II is designed for experienced high school students seeking to develop their knowledge of photography with emphasis upon artistic expression. This course is considered an advanced art course with enrollment limited by darkroom space and instructor recommendation. Assigned readings, research, independent and assigned projects make up the photographic content of this course. This course is recommended for students with career aspirations in photography and /or the visual arts.

Prerequisite: Students must have completed either Photo I, Intro to Photo, or Digital Photo, a manually adjustable 35mm camera, photography paper, film and a sincere interest in photography as an art form. There is a \$75.00 fee for this course which does not include film.

(Full year course, open to grades 11, 12)

### 2216 ADVANCED PHOTOGRAPHY III

Honors

(1 credit)

Photography III is the culminating course in the photography series (Photography I, Photography II, Photography III) designed for the advanced photography student. It provides an opportunity for students to prepare a photography portfolio for college/art school admission. Any student who is unsure as to whether she/he wants to pursue photography vocationally is advised to take this course as it provides a good understanding of career opportunities in photography as well as the work requirement expected. Enrollment is limited by lab space and instructor recommendation.

Prerequisite: Students must have a manually adjustable 35mm camera, photography paper, film and a sincere interest in photography as an art form. Grade 75% or better in Photography II, portfolio or departmental approval. There is a \$75.00 fee for this course which does not include film.

(Full year course, open to grade 12)

### 2218 DIGITAL PHOTOGRAPHY

College Prep

(.5 credit)

Students will explore the exciting field of digital photography! Students will learn how to compose a photograph, use beginning photo digital editing software and techniques, scanning and graphic design basics. Students should have a sincere interest in digital photography as an art form Enrollment is limited by computer space and instructor recommendation.

Prerequisite: Successful completion of either Intro. to Photo, Photo 1 or Photo 2. Students must have a digital camera. There is a \$25.00 fee for this course.

(Semester course, open to grades 11, 12)

### 2220 ART I

College Prep

(1 credit)

This is the first course in the advanced art series (Art I, Art II, and Art III), and is designed as a studio course for the serious art student. The primary focus of Art I is to develop the foundation level skills necessary for successful creative expression and visual communications. These skills are imperative and necessary for all future art courses. Areas of concentration include: observational drawing, color theory, and sculptural exploration. Art history and the development of creative and critical thinking skills are also explored in this course. This course is appropriate for all students particularly those who wish to pursue a career in the arts.

(Full year course, open to grades 10, 11, 12)

### 2222 ART II

College Prep

(1 credit)

Art II is the second course in the advanced art series (Art I, Art II and Art III) and is designed as a studio course for the advanced art student. It expands on the skills developed in Art I with emphasis on advanced drawing, painting, and sculptural techniques.

Prerequisite: Successful completion of Art I

(Full year course, open to grades 11, 12)

### 2224 (H) / 2225 (CP) ART III

Honors/College Prep

(1 credit)

This is the third course in the advanced art series (Art I, Art II, and Art III) and is designed as a studio course for the serious art student. It continues to expand upon the skills necessary for successful creative expression and visual communications. Emphasis is on advanced drawing, painting and sculptural techniques. This course is appropriate for all students, particularly for those who wish to pursue a career in the arts.

Prerequisite: Successful completion of Art II.

(Full year course, open to grade 12)

### 2230 VISUAL LANGUAGE I

College Prep

(.5 credit)

Visual Language I is a career oriented course for those who want to explore how art skills are used in the commercial design industry. Students will expand upon basic skills in painting, drawing, color and design theory. This course allows the student to develop a visual language and communicate effectively with it utilizing typography. Students will create communication products in various media formats: books, posters and packages.

Prerequisite: Successful completion of Art I or departmental approval.

(Semester course, open to grades 11, 12)

## ART DEPARTMENT (CONTINUED)

### 2232 VISUAL LANGUAGE II

College Prep

(.5 credit)

Visual Language II is a continuation of Visual Language I. In addition to typography, students will be introduced to digital imagery and interactive multimedia technology that will help students acquire a thorough understanding of visual messages. This course will enable students to create project publication design, interactive multimedia design, packaging design, and urban graphics.

Prerequisite: Successful completion of Visual Language I.

(Semester course, open to grades 11, 12)

### 2240(H) / 2241 (CP) INDIVIDUALIZED STUDIO

Honors/College Prep

(.25 / .5 / 1.0 Credit)

Individualized studio is offered expressly for students who want to continue studying art, but who may not have sufficient flexibility in their schedule to take one of the daily offerings. It is assumed that if the possibility exists, one of the regular art courses should be selected. Individualized Studio may be taken for 3, 4, 5, or 6 days per 7-day-cycle\* (with commensurate credit) as a student's schedule permits. The course provides students with individualized instructions in the increasingly more sophisticated use of materials and expression. This is an excellent opportunity for students to produce computer-generated projects, a time frame in which they will be completed, and the resources necessary for design skills. A contract format will be used in which student and teacher will agree on a series of activities.

Prerequisite: Portfolio review, teacher recommendation, departmental approval.

(Semester/Full year course, open to grade 12)

Courses granting Art credit, but otherwise appearing in other curriculum strands:

### 1840(H) / 1842(CP) YEARBOOK CREATION

Honors/College Prep

(.25 credit)

This course is designed to provide the necessary skills and training in the field of yearbook production. The class will focus on page planning, basic design, layout and construction. Adobe PageMaker and Photoshop will be taught as they relate to the production of the yearbook. While extensive computer experience is not required, it is important to be familiar with Windows XP and word processing. Additional assignments will be required for students requesting Honors credit.

(3<sup>rd</sup> Quarter course only, open to grades 10, 11, 12)

### 1844(H) / 1846(CP) YEARBOOK PRODUCTION

Honors/College Prep

(.5 credit)

This course will cover all aspects of the creation of a school annual, including Adobe Photoshop, and Digital Imaging. Students will write and edit text for the yearbook; take, select, crop, and position graphic images; sell advertising; and participate in the marketing of the end product. After-school projects will be required. The first Quarter is graded on a "pass/fail" basis only. The final grade, which will be calculated in the GPA and class rank, will be a letter grade.

Prerequisite: Previous yearbook experience preferred

(First Semester course open to grades 11, 12)

### 2427 ARCHITECTURE: FORM, SPACE & ORDER

College Prep

(.25 credit)

Through a series of historical models students will be introduced to the fundamental elements and principles of architecture design which have manifested themselves over the course of history. This course will attempt to convey/promote a better understanding of the architecture one experiences in life and in literature. The effect of functional, social, political and economical conditions on design will be explored. In addition to studying manual drafting methods, students will also study the operating system, menu structure and computer drafting methods.

(Quarter course, open to grades 10, 11, 12)

\*This course is also listed in the Career and Technical portion of the Program of Studies

### 2469 GRAPHIC DESIGN

College Prep

(.5 credit)

This class is an introduction to visual communications in the field of graphic design. Classes will cover graphic design topics and information ranging from typographic terminology, elements and principles of design, and methods of visual design. Students will utilize the Mac Lab to learn about aesthetics, graphic form and structure, concept development and visual organization. Students will refine their computer skills through applications requiring a digital format.

Prerequisite: Successful completion of an art class at the high school level

(Semester course, open to grades 10, 11, 12)

\*This course is also listed in the Career and Technical portion of the Program of Studies

### 2200 AP STUDIO ART

Advanced Placement

(1 credit)

The content of this course is based on the recommendations of the College Board for the AP Studio Art course. It is a rigorous course for the highly motivated art student and it has been designed to help students prepare for the AP Studio art test. Topics include an advanced study of color analysis, and advanced portfolio concentration.

Prerequisite: Students are encouraged to have taken Art II or III and must present a portfolio of 15 works to be reviewed for departmental approval.

(Full year course, open to grade 12)

# BUSINESS TECHNOLOGY

The curriculum of the Business and Technology Department is structured to give students the opportunity to explore and learn a variety of technology-based business skills necessary to meet their career goals, prepare for advanced study, and to become better consumers and investors in the 21<sup>st</sup> Century. Students completing business technology courses develop computer and business skills currently used in today's world. These courses serve as keystones for success in advanced courses at the college level, for building future career leadership ability through an understanding of the various fields of business, and for using technology to achieve personal goals.

## **1800(H) / 1802(CP) BASIC WEB DESIGN** Honors/College Prep (.25 credit)

This course is designed to provide the necessary skills and training in the field of Web Design. The class will focus on web page planning, basic design, layout and construction, setup and maintenance of a web site, HTML, and various web page and image creation tools. This course is taught in a PC environment, but all skills are transferable to the Macintosh. Students will develop a portfolio of sites during the course. While extensive computer experience is not required to enroll in the class, it is important to be familiar with Windows XP, word processing, and the Internet. The course is self-paced allowing students to progress at their own speed. Additional assignments will be required for students requesting Honors credit.

(Quarter course, open to grades 9, 10, 11, 12)

## **1804(H) / 1806(CP) ADVANCED WEB DESIGN** Honors/College Prep (.25 credit)

This course is designed to provide advanced skills and training in the field of Web Design. The class will focus on advanced web page planning and design, editing HTML code, creating style sheets and working with CSS styles, creating forms, scrolling lists and drop down menus. Emphasis will be placed in interactive forms, dynamic web pages, connecting to a data form, and creating and displaying record sets using SQL and ColdFusion technology. Students will develop a portfolio of sites during the course. Successful completion of Basic Web Design is required to enroll in the class, unless otherwise approved by the instructor. It is important to be familiar with Windows XP, word processing, and the Internet. The course is self-paced, allowing students to progress at the own speed. Additional assignments will be required for students requesting Honors credit.

Prerequisite: Successful completion of Basic Web Design or department approval. .

(Quarter course, open to grades 9, 10, 11, 12)

## **1810 MICROSOFT WORD WITH KEYBOARDING TECHNIQUES** College Prep (.25 credit)

This course is designed to introduce students to the basic concepts of word processing as applied to letters, outlines, tables, and academic reports while refining and reinforcing to keyboard quickly, accurately and with correct techniques. Students will learn to blend these computer skills to use the primary applications of Microsoft Word software and to apply them competently to school projects. This will prepare students for the workplace and post secondary education

(Quarter course, open to grades 9, 10 or by departmental approval)

## **1820 BASIC COMPUTER SOFTWARE APPLICATIONS** College Prep (.5 credit)

Students will prepare and produce communications, presentations, publications, and reports using a computer, the Internet, and other technology tools. They will analyze, select and apply appropriate software to accomplish specific tasks using Microsoft Office and other software applications. Students will employ technology application skills for critical thinking and problem solving.

(Semester course, open to grades 9, 10, 11, 12)

## **1830 ADVANCED COMPUTER SOFTWARE APPLICATIONS/ MS WORD, POWERPOINT, EXCEL AND ACCESS** Honors (.5 credit)

This course is designed to provide the necessary skills and training in **MS Office Professional**. The hands-on approach includes Word application to create tables, charts, form letters, mail merges and newsletters, advanced PowerPoint presentations using visual elements, animation and graphical presentations, Excel applications using formulas and functions, preparation of graphs, interacting with the Internet, and database concepts that allow students to structure, create, query a database, print reports, and prepare graphic presentations. This course is strongly recommended for students planning to attend a 2 or 4 year college or entering a career in business upon graduation.

Prerequisite: Successful completion of a Grade 9/ introductory level/ Business Technology Course, or departmental approval

(Semester course, open to grades 11, 12)

## **840(H) / 1842(CP) YEARBOOK CREATION** Honors/College Prep (.25 credit)

This course is designed to provide the necessary skills and training in the field of yearbook production. The class will focus on page planning, basic design, layout and construction. Adobe PageMaker and Photoshop will be taught as they relate to the production of the yearbook. While extensive computer experience is not required, it is important to be familiar with Windows XP and word processing. Additional assignments will be required for students requesting Honors credit.

(3<sup>rd</sup> Quarter course only, open to grades 10, 11)

## **1844(H) / 1846(CP) YEARBOOK PRODUCTION** Honors/College Prep (.5 credit)

This course will cover all aspects of the creation of a school annual, including Adobe Photoshop, and Digital Imaging. Students will write and edit text for the yearbook; take, select, crop, and position graphic images; sell advertising; and participate in the marketing of the end product. After-school projects will be required. The first Quarter is graded on a "pass/fail" basis only. The final grade, which will be calculated in the GPA and class rank, will be a letter grade.

(First Semester course open to grades 11, 12)

## BUSINESS TECHNOLOGY (CONTINUED)

### **1848 ADVERTISING WITH DESKTOP PUBLISHING** College Prep (.5 credit)

This course studies the needs and wants for products as it related to advertising, with a focus on the effective use of graphic design for business and professional use. Students will have the opportunity to create and present computer generated documents, such as newsletters, fliers, advertisements, etc., according to the principles of effective design, layout and advertisement. (Semester course, open to grades 10, 11, 12)

### **1850 PERSONAL FINANCE AND DECISION MAKING** College Prep (.25 credit)

This course is designed to educate high school students about sound money management skills and the financial planning process, and help students begin to develop positive behaviors that are necessary to attaining financial maturity and achieving a secure future. Students will investigate daily life survival skills and wise money management in today's consumer world. Students will investigate goals and career choices for future planning, banking, budgeting, and credit. Effective allocation of money for credit, savings, investing, and everyday living expenses will be explored. (Quarter course, open to grade 10, 11, 12 – Seniors will only be allowed to take this course in Terms 1, 2 or 3)

### **1852 MARKETING** College Prep (.5 credit)

This course is designed to introduce the student to the role of marketing in the organization of business enterprises. Major emphasis is placed on the concept of marketing strategy as a comprehensive, integrated plan designed to meet the needs of the consumer. Techniques and practices utilized by marketers in the areas of research, product planning, pricing, distribution, and promotion are presented through a problem solving approach to make students aware of how marketing affects products and services currently in the field. (Semester course, open to grades 10, 11, 12)

### **1854 BUSINESS PRINCIPLES AND MANAGEMENT** College Prep (.5 credit)

Business Principles and Management teaches students to understand and appreciate the importance of business in our economy. Students gain an understanding of the activities involved in the successful operation of a business and learn to make decisions in the role of a business owner/manager. In addition, guest speakers from businesses are invited to share their expertise with the class, and students are invited to shadow a business person from the community in a career of their choice. (Semester course, open to grades 10, 11, 12)

### **1856 ENTREPRENEURSHIP** College Prep (.5 credit)

This course is designed to teach students the basic skills necessary to start, own and operate a business. Topics will include the social, ethical, legal, economic and financial management aspects of business ownership. Students will write a business plan using current computer software. Career awareness of the many opportunities in entrepreneurship will be presented. (Semester course, open to grades 11, 12)

### **1860 COLLEGE ACCOUNTING I** College Prep (1 credit)

This course introduces the financial foundation for any career of your choice. It is an introduction to the principles, concepts, and procedures of beginning accounting and it will acquaint the students with the various business forms used such as; journals, ledgers and financial statements through the steps of the accounting cycle. Accounting is the "language of business" and having a grasp of the language and application will help put you in demand for entry level business jobs and/or post secondary education. Accounting software will be introduced in this class. (Full year course, open to grades 10, 11, 12)

### **1862 ADVANCED ACCOUNTING II** College Prep (1 credit)

Accounting II is designed for students who want to further explore accounting or finance as a possible career choice. Students will comprehend accounting control systems, general accounting adjustments, payroll and tax records, inventory, and notes payable and receivable. In addition, students will analyze and interpret financial statements. Partnerships and Corporations will also be covered. Accounting software will continue to be used in this curriculum.

Prerequisite: Successful completion of Accounting I

(Full year course, open to grades 11, 12)

### **1864 ACCOUNTING WITH QUICKBOOKS** College Prep (.5 credit)

Accounting with QuickBooks is designed for students who want to further explore accounting or finance as a possible career choice. Students will use the accounting software QuickBooks to computerize accounts receivable, payables, chart of accounts, inventory, invoices, statements, banking functions and manage revenue and expenses. In addition, students will produce computerized balance sheets and profit and loss statements.

Prerequisite: Successful completion of Accounting I

(Semester course, open to grades 11, 12)

## BUSINESS TECHNOLOGY (CONTINUED)

### 1870 FINANCIAL MATHEMATICS USING EXCEL

College Prep

(.5 credit)

This course will include the extensive study of a variety of financial mathematical concepts and skills using Microsoft Excel. Topics will include: Bank Services, Payroll, Taxes and Insurance, Purchasing Merchandise, Markup and Markdown, Interest, Credit and Mortgages, Annuities, Stocks and Bonds, Depreciation, Financial Statements and Business Statistics. Students will work with Excel to create applications using formulas and functions and What-If Analysis. Students will develop an understanding of financial mathematics and Microsoft Excel that will provide a solid foundation for those interested in a business management profession. Prerequisite: Open to grade 11 and 12 students who have successfully completed Basic Computer Software Applications CP or departmental approval.

### 1880 WCAT PRODUCTION

Un-leveled

(.5 credit)

Students will learn the basics of video production by participating in the pre-production, production, and post production of the WCAT morning announcements. Students will rotate as crew members to learn the setup and operation of cameras, microphones, the audio mixer, and the application of special effects as members of the production crew. Students will also learn video editing techniques as they produce short videos which will air during the morning meeting period. Students will be required to video school related activities that may occur outside of normal school hours.

(Semester course open to grades 10, 11, 12)

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## CAREER AND TECHNICAL EDUCATION

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The Career and Technical Education courses provide each student with a comprehensive education that prepares them for gainful employment. Through a solid career and technical/academic education program, each student will be prepared to successfully meet the demands of ever-changing technologies while adapting to current and future occupational and educational trends.

Career and technical studies provide an education that enables students to obtain employment upon graduation or to advance to further educational opportunities. Weymouth endeavors to go beyond skills training to provide each student with a comprehensive education that includes higher level thinking skills, problem-solving skills and the theoretical basis for various technologies.

### CO-OPERATIVE EDUCATION OPTIONS FOR CAREER AND TECHNICAL EDUCATION STUDENTS

WHS, Career and Technical Education Programs, offers a Co-Operative Education Work Training to all eligible students. This program is designed to give students an opportunity to participate in an on the job work experience in their chosen CTE area. Students in the Co-Op program receive pay for their time on the job and are covered by Worker's Compensation by the cooperating employer. The students will, in the majority of cases, be required to provide their own transportation to the work site. Random, periodic on the job observations of each student will be made by staff members to ensure that the most beneficial training is taking place. A student's quarterly grade will reflect the combined input from three sources: the employer's weekly report, staff visitations and the CTE instructor. Eligibility requirements and criteria can be found in the Weymouth High School Career and Technical Education Co-Operative Education Information Guidelines.

### 2400 TECHNICAL EXPLORATORY

Un-leveled

(0.9 credits)

Students who complete an application for admission to the Career and Technical Education Program, and have been approved using the established criteria in the admission policy (based on grades, attendance, discipline and recommendation), will participate in a vocational-technical exploratory program. This program is designed to help them learn about their talents, interests and non-traditional careers relative to a variety of technical programs listed below. During the first 10-day cycle students will be assessed in career talent and interest by participating in a career-cruising assessment tool. Students will then explore each of the ten programs for approximately 10 days. At the end of this period (approximately 3 terms of the school year), students will be assessed again for talent & interest using the career-cruising tool. This data will be shared with the student and/or parent(s)/guardian(s) through the Career & Technical Education director, teachers and guidance counselors. The students will then select four programs of choice (4th, 3rd, 2nd, 1st), with one choice being a non-traditional area, for the remainder of the school year. Prior to completing their 1st-choice, students will be assessed for career talent and interest using the career-cruising assessment tool. See your guidance counselor for details. All students in Exploratory will be exposed to all 10 technical shop areas.

### 2405 ENTREPRENEURSHIP FOR CTE

College Prep

(.25 credit)

This course is designed to teach students the basic skills necessary to start, own, and operate a business. Topics will include legal, social, economic and financial management aspects of business ownership. Students will write a business plan specific to the CTE program they are enrolled in using current computer software such as Word, Excel, Publisher, and PowerPoint. This course is a requirement in order to fulfill the VTE Frameworks, Strands 5 & 6.

(1<sup>st</sup> Quarter course, open to grade 12 CTE students only)

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# CAREER AND TECHNICAL PROGRAMS

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## **Architectural Design and Drafting (CAD)**

This course will introduce students to the world of architecture through a series of real world applications. Students will also utilize the computer-drawing program AutoDesk Architectural Desktop 2006 in this lab.

## **Automotive Technology**

Students in this program will be taught shop safety and the use of basic hand and power tools as related to the automotive industry. Students will also be introduced to automotive systems such as, wheels and tires, steering and suspension, brakes, fuel systems, cooling systems, exhaust systems and lubrication service as time allows.

## **Early Childhood Education and Teaching**

This course provides students the opportunity to explore the child care profession as a vocation or to prepare for a related profession working with children. Students learn in a supervised environment, working with toddlers, preschoolers, and infants in the on-site child care center.

## **Information Technology**

Students will receive a basic introduction and exposure to computers. They will learn about various computer components and associated computer terminology. All students will assemble a computer and make it operational. They will install various operating systems and be introduced to different types of software applications.

## **Construction Technology**

Students will be taught basic carpentry techniques as they relate to the construction industry. Basic power and hand tool uses, with special emphasis on safety. Students may build a small project in this program that they may bring home.

## **Cosmetology**

This course is designed to expose students to the vigorous tasks in this occupational area. Topics covered, as time allows, are orientation and professional options, safety, hygiene, nail art, manicuring, pedicuring, various grading techniques, paraffin waxing, theatrical makeup, bones of the hand, arm, leg and foot, and basic hair styling.

## **Culinary Arts**

Students enrolled in ninth-grade exploratory culinary arts program will be exposed to the various aspects of a commercial food service kitchen. Students will learn basic culinary terminology, safety, and sanitation procedures. The goals and objectives for this exploratory course are to assess and evaluate students' interest and aptitude as they rotate through the curriculum and workstations in the kitchen.

## **Graphic Communications (Printing)**

This program will introduce students to the Graphic Communications industry and the career opportunities available in graphic design, advertising, and printing (digital, traditional offset, and screen printing). Students will also be introduced to some of the basic processes and perform basic operations on the latest printing and design software technology.

## **Allied Health Careers**

This program introduces students to routine medical and nursing-related services for patients under the training and supervision of a registered nurse. Students in this program will explore employment opportunities in hospitals, clinics, HMO's, assisted-living and nursing homes, home health care agencies and physician's offices.

## **Sheet Metal**

Students in this program will be exposed to basic sheet metal skills while learning to use hand tools and shop equipment safely. These skills will be used to fabricate small projects such as: utility boxes, tote trays, tool boxes, file holders, etc.

## TECH PREP OPTIONS FOR CAREER AND TECHNICAL EDUCATION STUDENTS

**Tech Prep** programs provide a smooth transition from high school to college by combining the last two years of high school with the first two years of college. Students can earn college credits while in high school, take free college courses as a junior and senior, and earn a two-year Associate degree with the option of continuing their college education. Classes are based on the theories and skills that relate directly to the workplace and the future.

At the same time, by taking a more rigorous **Tech Prep** program, students will be on the fast track to a fulfilling career as well as keeping college options open.

**Tech Prep** students will:

- explore career options and determine which pathway best matches interests and capabilities.
- select career pathway by grade eleven.
- take courses that help build skills for the future.
- study appropriate levels of math, science, and communication to ensure a smooth transition into a career major at a two-year or four-year college.

**Tech Prep** programs lead to an Associate degree and tie in with many four-year degree programs such as engineering in automotive and diesel technology, architectural/civil structural technology, and design, business, marketing, computer technology, heating/ air conditioning, and early childhood education.

### ARTICULATION AGREEMENTS 2009/2010

Allied Health:

Quincy College

Architectural Design and Drafting:

Massasoit Community College  
Benjamin Franklin Institute of Technology

Automotive Technology:

Benjamin Franklin Institute of Technology  
Massachusetts Bay Community College  
UTI  
Central Maine College

Business Technology:

Massasoit Community College

Early Childhood Education and Teaching:

Quincy College  
Bay State College  
Massasoit Community College

Construction Technology:

Massasoit Community College  
Central Maine College

Culinary Arts:

Johnson and Wales  
Newbury College  
Central Maine College  
Connecticut Culinary Institute

Graphics Communications:

Boston University  
Central Maine College

Information Networking:

Central Maine College  
Benjamin Franklin Institute of Technology

Sheet Metal:

Massasoit Community College

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## ARCHITECTURE AND DRAFTING

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The Architectural Design and Drafting program will provide young people with the skills needed to function in the modern architectural/engineering environment. This program will prepare students to communicate design ideas via architectural drawings, construction documents and visual presentations. Students will analyze past and modern construction methods and materials. Design documentation will include construction specifications utilizing CSI Standards, cost estimations and project scheduling. This course will identify all aspects of training/courses students will be required to take in college. The classroom is set up to imitate a modern architectural office. Students will advance through the program based on competency, production, responsibility and accuracy. All courses utilize the computer drawing program, AutoDesk Architectural Desktop 2007, Sketch –Up, Chief Architect, and follow the AutoDesk “Design Academy” curriculum.

### **2424 ARCHITECTURAL DESIGN AND DRAFTING I** College Prep (1.9 credits)

First year architectural students will be introduced to the design process through a series of “real world” problems. Students will study the phases of design with an emphasis on schematic and design development. Fundamental drawing requirements of the trade are defined including but not limited to scale, two and three dimensional drawings and orthographic projection. Presentation skills will also be developed within the classroom. The computer drawing program AutoDesk Architectural Desktop 2007 will be introduced during the second semester.

Prerequisite: Grade of 75% or better in Technical Exploratory  
(Full year course, meeting two periods a day)

### **2425 ARCHITECTURAL DESIGN AND DRAFTING II** College Prep (2.9 credits)

Second year students will study building construction materials and methods with a focus on residential construction. National (BOCA), Mass. State and local building codes will be introduced as well as ADA regulations. Students will focus on the construction drawing phase. All drawings will be prepared utilizing the architectural drawing program, AutoDesk Architectural Desktop 2007. An emphasis on a “Design/Build” option will include limited interaction with the Construction Technology Program and visits to local construction projects. Presentation skills will be expanded to include client presentations for town projects.

Prerequisite: Grade of 75% or better in Architectural Design and Drafting I  
(Full year course, meeting three periods a day)

### **2426 ARCHITECTURAL DESIGN AND DRAFTING III** College Prep (2.65 credits)

Third year architectural students will work primarily on a “thesis project.” The student will select a client and building type and carry it through the typical design process. They will utilize code knowledge, presentation skills and will produce a working set of drawings and documents. Third year will focus on construction management and punch list phases. Estimating programs and methods will be introduced. Throughout the year, students will also be expected to complete town projects including house additions. LEEDS Certification requirements will be introduced second semester.

Prerequisite: Grade of 75% or better in Architectural Design and Drafting II, Seniors must have completed or be enrolled in 1092 Public Speaking & 1084 Semantics. Seniors must have completed the OSHA 10 hr. Exam and 80% of the MA State Frameworks for Drafting to receive Certification in Architectural Design & Drafting.  
(Full year course, meeting three periods a day)

### **2427 ARCHITECTURE: FORM, SPACE & ORDER** College Prep (.25 credit)

Through a series of historical models, students will be introduced to the ways fundamental elements and principles of architecture design have manifested themselves over the course of history. This course will attempt to convey/promote a better understanding of the architecture one experiences in life and in literature. The effect of functional, social, political and economical conditions on design will be explored. In addition to studying manual drafting methods, students will also utilize AutoDesk Architectural Desktop 2010.  
(Quarter Course, open to grades 10, 11, 12)

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## AUTOMOTIVE TECHNOLOGY

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The Automotive Technology Program of study is designed to provide instruction in all phases of automotive repair. Students will acquire the basic knowledge and skills required to diagnose malfunctions in mechanical and electrical systems, and make necessary repairs. Completion of this program will qualify the student as an entry-level automotive technician. The Automotive Technology department prides itself on having the ability to train students on the most up-to-date equipment and procedures used in automotive technology today.

### **2430 AUTOMOTIVE TECHNOLOGY I** College Prep (1.9 credits)

Automotive Technology I will cover the basic fundamentals of auto repair including, shop safety, tools and equipment, lubrication service, exhaust service, and tire and brake service. The focus will be on basic automotive maintenance.

Prerequisite: Grade of 75% or better in Technical Exploratory  
(Full year course, meeting two periods a day)

## AUTOMOTIVE TECHNOLOGY (CONTINUED)

### 2431 AUTOMOTIVE TECHNOLOGY II

College Prep

(2.9 credits)

In the second year, the Automotive Technology Program will concentrate on trouble shooting and diagnostics in several areas, such as engine tune-up, electrical systems, front end and chassis service, as well as fuel injection service.

Prerequisite: Grade of 75% or better in Automotive Technology I  
(Full year course, meeting three periods a day)

### 2432 RELATED AUTOMOTIVE TECHNOLOGY II

College Prep

(1 credit)

The Related Automotive Technology II Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the shop. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instruction, and other classroom activities to enhance student knowledge. Required course for all Level II students.

Prerequisite: Grade of 75% or better in Automotive Technology I  
(Full year course, meeting one period a day)

### 2433 AUTOMOTIVE TECHNOLOGY III

College Prep

(2.65 credits)

The Automotive Technology student can expect the work to become more specific and difficult. Seniors will cover engine overhaul, electronics, electrical systems, transmission over-haul and air conditioning.

Prerequisite: Grade of 75% or better in Automotive Technology II  
(Full year course, meeting three periods a day)

### 2434 RELATED AUTOMOTIVE TECHNOLOGY III

College Prep

(1 credit)

The Related Automotive Technology III Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the shop. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instructions, and other classroom activities to enhance student knowledge. This is a required course for all Level III students.

Prerequisite: Grade of 75% or better in Automotive Technology II  
(Full year course, meeting one period a day)

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## EARLY CHILDHOOD EDUCATION AND TEACHING

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Students successfully completing the Early Childhood Education and Teaching Program may apply to the Commonwealth of Massachusetts Department of Early Education and Care for teacher licensure. This state license allows the graduate to teach children of infant, toddler, preschool and kindergarten age, in a state licensed early childhood center.

### 2441 EARLY CHILDHOOD I

College Prep

(1.9 credits)

Early Childhood Education and Teaching I is designed to train students to supervise and educate children from birth through age two. Students complete a classroom experience studying child development, child care techniques and curriculum planning for infants and toddlers. Reading, writing, research and curriculum development are required.

Prerequisite: Grade of 75% or better in Technical Exploratory  
(Full year course, meeting two periods a day)

### 2444 EARLY CHILDHOOD II

College Prep

(3.9 credits)

Building on the foundation of Early Childhood Education and Teaching I, students will further develop an understanding of child development, child guidance and curriculum planning. Early Childhood Education and Teaching II will study the three and four year old child. In a laboratory setting, students will have hands on experience working with children. Students will have experience choosing developmentally appropriate materials, teaching activities, guiding behavior and caring for the needs of preschoolers. Reading, writing, research and curriculum development are required.

Prerequisite: Grade of 80% or better in Early Childhood I  
(Full year course, meeting four periods a day)

### 2446 EARLY CHILDHOOD III

College Prep

(3.65 credits)

Early Childhood Education and Teaching III is designed for students who have successfully completed Early Childhood Education and Teaching I and II. While studying the five and six year old child, a significant component of the course is an internship in a local preschool, pre-k or kindergarten classroom. Students will become familiar with administrative and supervisory duties and communicate with families. Students examine career opportunities and prepare for entry into the field of early childhood education. Reading, writing, research and curriculum development are required.

Prerequisite: Grade of 80% or better in Early Childhood Education II.  
(Full year course, meeting four periods a day)

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## CONSTRUCTION TECHNOLOGY

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The construction industry introduces you to a challenging career. It directly and indirectly employs approximately 15% of the working population and represents the largest group of skilled workers in the United States labor force. There are countless opportunities for employment and promotion. The Construction Technology course introduces students to the equipment and machinery used in most quality woodworking shops. Machines used include table saws, joiner surfaces, planners, shapers, drum edge and stroke sanders and a wide variety of portable electric hand tools.

### **2454 CONSTRUCTION TECHNOLOGY I** College Prep (1.9 credits)

This course introduces students to machinery and power tools used in today's woodworking shops. They are used to build projects such as picnic tables, fences, working on basic casework and doing some basic wood finishing. Sheds are also built in the shop exposing the first year students to layout and techniques used in the building of additions and homes. Students also take related classes in a classroom setting. The blending of shop and related classes provides students the opportunity to explore technology and learn safe work habits to gain an appreciation for good workmanship and design, and to work both independently and cooperatively with others.

Prerequisite: Grade of 75% or better in Technical Exploratory  
(Full year course, meeting two periods a day)

### **2455 CONSTRUCTION TECHNOLOGY II** College Prep (2.9 credits)

This program is a continuation of Construction Technology I. Emphasis is placed on the fundamentals of construction, including foundations, floor framing, wall construction and sheathing. Instruction is given on all hand and power tools related to on-site construction. Hands-on training includes projects such as additions, garages, decks and handicapped ramps that are built in the community. Students are exposed to on-site work conditions, proper dress and good work habits with special emphasis on safety. Students study math and science related to the trade including estimating costs and quantities of materials related to the job.

Prerequisite: Grade of 75% or better in Construction Technology I  
(Full year course, meeting three periods a day)

### **2456 RELATED CONSTRUCTION TECHNOLOGY II** College Prep (1 credit)

The Related Construction Technology II Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the shop or on the job site. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instructions, and other classroom activities to enhance student knowledge. This is a required course for all Level II students.

Prerequisite: Grade of 75% or better in Construction Technology I  
(Full year course, meeting one period a day)

### **2457 CONSTRUCTION TECHNOLOGY III** College Prep (2.65 credits)

Third year students take a more aggressive and advanced skills development program, working on roof layouts, staircases and interior finish work on outside projects. Students will also study more advanced math and science in the related classroom. After completion of Construction Technology I, II, and III, most students have enough knowledge to go on to post high school technical colleges or to be competitive in the construction industry.

Prerequisite: Grade of 75% or better on Construction Technology II  
(Full year course, meeting three periods a day)

### **2458 RELATED CONSTRUCTION TECHNOLOGY III** College Prep (1 credit)

The Related Construction Technology III Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the shop or on the job site. Topics include: safety training, related academic instructions in math, science and English, technical program-related theory instructions, and other classroom activities to enhance student knowledge.

Prerequisite: Grade of 75% or better in Construction Technology II  
(Full year course, meeting one period a day)

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## COSMETOLOGY

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The Cosmetology program is designed to provide students with the ability to meet the requirements of the Commonwealth of Massachusetts State Board of Hairdressing written and practical examination.

- 2460 COSMETOLOGY I** College Prep (1.9 credits)  
This course is designed for sophomore students interested in obtaining a Massachusetts license in cosmetology. As a first year student you will learn the basics of manicuring, fingerwaves, rollers, pincurls, marcel curling iron, haircutting, basic perm winding, color, facials, makeup, and scalp treatments. Hands-on practice and classroom instructions directed toward the written part of the license test are also required.  
Prerequisite: Grade of 75% or better in Technical Exploratory. Purchase of a cosmetology kit and lab coat through the Weymouth Cosmetology Department (\$400.00 - Kit prices subject to change) Kit/lab coat must be purchased before entering in September.  
(Full year course, meeting two periods a day)
- 2461 COSMETOLOGY II** College Prep (2.9 credits)  
Generally taken by, but not limited to, juniors who have successfully completed Cosmetology I in their sophomore year. (Juniors who have not taken Cosmetology before are more than welcome to join our program and will be given instruction more tailored to the description given in Cosmetology I until they are ready to move on with the other juniors.) This course provides more detailed classroom instruction including one semester on salon management and introduces advanced technology in haircutting, perming, color and highlighting, chemical relaxing, and nail technology. When students have earned a sufficient number of hours towards their license, they will be required to work on actual clients. Students will be required to purchase a mannequin at the cost of \$30.00 - \$50.00.  
Prerequisite: Grade of 75% or better in Cosmetology I or departmental approval  
(Full year course, meeting three periods a day)
- 2462 RELATED COSMETOLOGY II** College Prep (1 credit)  
The Related Cosmetology II Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the lab. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instruction, and other classroom activities to enhance student knowledge. This is a required course for all Level II students.  
Prerequisite: Grade of 75% or better in Cosmetology I or departmental approval  
(Full year course, meeting one period a day)
- 2463 COSMETOLOGY III** College Prep (2.65 credits)  
This course is for seniors who have completed Cosmetology II and are working towards finishing the requirements for a license. As a senior, more emphasis is placed on working with actual customers and on perfecting the necessary skills required for a license as introduced in the previous year(s). This course also includes advanced instruction and, whenever possible, an effort is made to bring guest speakers and specialized technicians in to demonstrate their expertise.  
Prerequisite: Grade of 75% or better in Cosmetology II  
(Full year course, meeting three periods a day)
- 2464 RELATED COSMETOLOGY III** College Prep (1 credit)  
The Related Cosmetology III Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the lab. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instruction, and other classroom activities to enhance student knowledge. This is a required course for all Level III students.  
Prerequisite: Grade of 75% or better in Cosmetology II  
(Full year course, meeting one period a day)
- 2465 MANICURING** College Prep (1 credit)  
Manicuring, once a luxury, is now within the reach of the general public. Manicuring is not limited to the hands of women. More and more men request the services of a manicurist when they visit a styling salon or barber shop for their hair-care and other grooming needs. The students will learn basic manicuring procedures and other advanced techniques from hand painted nail art to sculpturing nails. Students who successfully complete this course are eligible to take the state licensing examination.  
Prerequisite: Kit fee of \$100.00. (Kit prices are subject to change)  
(Full year course, open to grades 11 and 12 only)

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## AESTHETICS

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The Aesthetics Program is designed to provide students with the ability to meet the requirements of the Commonwealth of Massachusetts State Board of Cosmetology written and practical examination.

**2466 AESTHETICS** College Prep (2.9 credits)

This course is designed for juniors and seniors interested in obtaining a Massachusetts license in aesthetics. As an aesthetic student you will learn massage, skin care, facial treatment, machinery and makeup. Hands-on practice and classroom instruction will be directed toward the Massachusetts State Board License Test for Aesthetics.

(Full year course, meeting three periods a day)

Prerequisite: Purchase of an aesthetics kit, lab coat and specified safety footwear through Weymouth Cosmetology Department for approximately \$225.00. (Kit prices are subject to change)

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## CULINARY ARTS

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The Culinary Arts Program at Weymouth High School is designed to prepare students to work in a variety of positions in the culinary arts and hospitality industry or to go on to post secondary education within the field. Students will be trained in the techniques of restaurant operations and other commercial food service establishments. Students will also be given instruction in recipe and menu planning, preparing and cooking foods, supervising and training in kitchen assistance, and management of supplies and kitchen resources. Students will participate in all aspects of the kitchen including the dining room, proper service techniques, pastry preparation and bakery sales, restaurant food preparation, safety and sanitation.

**2490 CULINARY ARTS I** College Prep (1.9 credits)

Students will focus on culinary terminology and product identification. Students will develop a basic understanding of the skills needed to work in a commercial bakery. Students will develop and apply basic cooking and bakery skills, and apply sanitation and kitchen safety skills. Students will work as a team and will develop and demonstrate an understanding of basic baking and pastry principles.

Prerequisite: Grade of 75% or better in Technical Exploratory.

(Full year course, meeting two periods a day)

**2491 CULINARY ARTS II** College Prep (3.9 credits)

Students will build on the training from Culinary Arts I. Students in Culinary Arts II will start taking a leadership role in menu design, working positions such as Sous Chef, dining room manager, and responsibilities such as expediting lunch tickets. Students will assume all upper management positions in the kitchen. Students will also have an opportunity to be instructed in Serve Safe, a state certification program which makes our students more marketable within the industry. Students must also complete the OSHA ten hour general training course.

Prerequisite: Completion of Culinary Arts I with a grade of 75% or better

(Full year course, meeting four periods a day including related theory)

**2493 CULINARY ARTS III** College Prep (3.65 credits)

Students will rotate through the baking and pastry area. Students will develop and demonstrate an understanding of the theories and practices of culinary art in food service management through direct application. Students will further refine their skills and knowledge by completing a culinary arts portfolio. This project will allow students to demonstrate their knowledge of cooking skills, baking and pastry skills, sanitation, safety skills and employability skills in an electronic format. Students may also be brought off premises to the State House or other locations, to serve at upscale functions. Students who maintain a high enough GPA are also eligible for a cooperative work agreement. (G.L. Chapter 74 and 603 CMR 4.03 (7) with approval of the chef instructor and the CTE director.)

Prerequisite: Completion of Culinary Arts II with a grade of 75% or better

(Full year course, meeting four periods a day including related theory)

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## INFORMATION TECHNOLOGY

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The Informational Technology courses are designed to prepare students to work as computer service professionals. Through the utilization of instructor-led training in a hands-on lab environment, students will gain the knowledge and trouble-shooting skills needed to provide capable support in the field of personal computers and networking. Upon completion of this course, participants will have the experience necessary to pass the A+ Certification and Network+ Certification exams. Both A+ Certification and Network+ Certification are industry recognized credentials that certify the competency of specialists in PC service and computer networking. They are sponsored by the Computer Technology Industry Association (CompTAI) and are backed by major computer hardware and software manufacturers, vendors, distributors, resellers and publications. Both A+ and Network+ Certifications provide a wealth of benefits to any person seeking employment in the computer industry. A great deal of reading and independent study is required in order to successfully pass the certification tests.

## INFORMATION TECHNOLOGY (CONTINUED)

### 2450 INFORMATION TECHNOLOGY I

College Prep

(1.9 credits)

#### SEMESTER 1:

This is an introductory course in computers. In order for students to become successful technicians, they must understand some basic electronic concepts which include current, voltage, resistance, power component identification, meters, and wiring techniques as related to computers. Students will learn computer and peripheral terminology, computer safety, computer assembly, configuration, installation, basic troubleshooting, and basic networking. Common operating systems used will be Windows 98<sup>R</sup>, Windows ME<sup>R</sup>, Windows NT<sup>R</sup>, Windows 2000<sup>R</sup>, and Windows XP<sup>R</sup>.

#### SEMESTER 2:

Students will begin A+ Certification training. Areas of study include PC hardware, system boards, standard I/O systems, mass storage systems, data communications, printers, portable systems, operating system fundamentals, basic system troubleshooting, operating system troubleshooting, and preventive maintenance. Students will be required to study independently for A+ Certification exam preparation. (Full year course, meeting two periods a day)

### 2451 INFORMATION TECHNOLOGY II

College Prep

(2.9 credits)

Students build on their training in Computer Technology I where they will continue A+ Certification training with more advanced studies in the areas described in Computer Technology I: hardware, advanced system boards, I/O systems, mass storage systems, data communications, laser printers, portable systems, operating systems, advanced system troubleshooting and advanced operating system troubleshooting. Students will be on computers throughout the school system and town. Students will prepare for the A+ Certification test by using interactive computer generated testing material which will simulate the A+ Certification test. Students will be able to complete practice tests, determine their weak points, and study more strategically. All students should be ready to take the A+ Certification test by the end of this course. Some students may be prepared to take the test by the end of the first semester.

Prerequisite: Grade of 75% or better in Computer Technology I

(Full year course, meeting three periods a day)

### 2452 INFORMATION TECHNOLOGY III

College Prep

(2.9 credits)

Students build on their training for Computer Technology II. Students who have not obtained their A+ Certification will continue A+ Certification training. Students who have achieved their certification will have the opportunity to work cooperatively in a local computer company, or do an internship at a local company. Students not on co-op or not doing an internship will continue their studies in networking which includes the following: datacomm fundamentals, data transmission, the telephone system, modems, protocols, local area networks, network operations, wide area networks, network management, error control, data security, and satellite communication.

Prerequisite: Grade of 75% or better in Computer Technology II

(Full year course, meeting three periods a day)

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## GRAPHIC COMMUNICATIONS

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This program teaches the student about the Graphic Communications industry. Students will learn the concepts of graphic design using the latest design technology including Apple computers and Adobe Creative Suite software. They will also learn about the printing process in a business type environment. Students will develop their own projects working towards a final portfolio and certification.

### 2470 GRAPHIC COMMUNICATION TECHNOLOGY I

College Prep

(1 credit)

(Credit in conjunction with Graphic Communication Design I)

This course is the orientation to the PRINTED curriculum which is the standard for the Graphic Communications industry. Each student will learn the specific processes used to create quality graphics using state of the art printing equipment.

Prerequisite: Grade of 75% or better in Exploratory Technology

(Full year course, meeting one period a day. This class requires that students also be enrolled in Graphic Communication Design I)

### 2471 GRAPHIC COMMUNICATION DESIGN I

College Prep

(.9 credit)

(Credit in conjunction with Graphic Communication Technology I)

This course will introduce the student to the principles, procedures, and processes involved in graphic communications. Topics include elements and principles of design, typography and layout, photography and digital imaging, workflow and the preparation of electronic files for production in various forms of graphic media. In this course, students will begin to create an electronic portfolio that they continue to work on and assemble. This portfolio will be finished upon successful completion of Graphic Communication Program.

Prerequisite: Grade of 75% or better in Exploratory Technology

(Full year course, meeting one period a day; this class required that student also be enrolled in Graphic Communication Technology I)

## GRAPHIC COMMUNICATION (CONTINUED)

**2472 GRAPHIC COMMUNICATION TECHNOLOGY II** College Prep (2.0 credits)  
(Credit in conjunction with Graphic Communication Design II)  
This course continues instruction in all of the processes used to create quality graphics. Instruction is all phases of the PRINTED curriculum will include technical instruction in electronic prepress, screen printing, offset press and bindery. The student will receive instruction in safety, OSHA certification and business management.  
Prerequisite: Grade of 75% or better in Graphic Communication Design I  
(Full year course, meeting two periods a day. This class requires that students also be enrolled in Graphic Communication Design II)

**2473 GRAPHIC COMMUNICATION DESIGN II** College Prep (1.9 credits)  
(Credit in conjunction with Graphic Communication Technology II)  
Graphic Communication Design II is a continuation of Graphic Communication Design. The student will learn color separation theory, paper and substrates, printing inks, proofing, press production. The students will manage The Print Shop at Weymouth High School. Students will also continue to work on their portfolios.  
Prerequisite: Grade of 75% or better in Graphic Communication Design I  
(Full year course, meeting two periods a day. This class requires that students also be enrolled in Graphic Communication Technology II)

**2474 GRAPHIC COMMUNICATION TECHNOLOGY III** College Prep (2.65 credits)  
(Credit in conjunction with Graphic Communication Design III)  
This course is advanced instruction in the PRINTED curriculum. Graphic Communication students at this level use their skills to produce live work in the graphic arts shop and may specialize in specific areas with an emphasis on a college or industry major.  
Prerequisite: Grade of 75% or better in Graphic Communication Technology II  
(Full year course, meeting three periods a day. This class requires that students also be enrolled in Graphic Communication Design III)

**2475 GRAPHIC COMMUNICATION DESIGN III** College Prep (1 credit)  
(credit in conjunction with Graphic Communication Technology III)  
Students will work independently to create and complete personal projects as well as work experience in The Print Shop at Weymouth High School. Students will work on problem- solving exercises to provide hands-on experience on how to meet client needs within time and budget constraints. They will utilize industry- related software to provide practical experience to carry over into the workplace. Students in this course complete their portfolio (both paper and electronic).  
Prerequisite: Grade of 75% or better in Graphic Communication Design II  
(Full year course, meeting one period a day. This class requires that students also be enrolled in Graphic Communication Technology III)

**2469 GRAPHIC DESIGN** College Prep (.5 credit)  
This class is an introduction to visual communications in the field of graphic design. Classes will cover graphic design topics and information ranging from typographic terminology, elements and principles of design, and methods of visual design. Students will utilize the Mac Lab to learn about aesthetics, graphic form and structure, concept development and visual organization. Students will refine their computer skills through applications requiring a digital format.  
Prerequisite: Successful completion of an art class at the high school level.  
(Semester course, open to grades 10, 11, 12)

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## ALLIED HEALTH PROFESSIONS

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This program prepares students to perform routine medical and nursing-related services for patients under the training and supervision of a registered nurse or licensed practical nurse. Students in this program will be prepared for employment in hospitals, clinics, HMO's, assisted-living and nursing homes, home health care agencies and physician's offices. Students, upon completion of this course, will be prepared to pursue post secondary education in the health care service industry.

**2410 ALLIED HEALTH I** College Prep (1.9 credits)  
Students will develop a basic understanding of the health care industry and the careers within this field. They will learn about the legal and ethical responsibilities and personal qualities of a health care worker. In addition, students will learn about the human growth and development, as well as the fundamentals of nutrition and diet. The fundamentals of medical terminology including defining prefixes, suffixes and root words will be studied. Students are required to be enrolled in a college prep or honors biology class, offered through the Science Department.  
Prerequisite: Grade of 75% or better in Technical Exploratory and students must be enrolled in a full year biology class offered through the Science Department  
(Full year course, meeting two periods a day)

## ALLIED HEALTH PROFESSIONS (CONTINUED)

**2411 ALLIED HEALTH II** College Prep (1.9 credits)

Students will expand upon their knowledge of the health care industry. This course will focus on students receiving their CNA certification through the American Red Cross. Students will care for the geriatric/ long-term care/rehab population at Weymouth Healthcare Center.

Prerequisite: Successful completion of Allied Health I  
(Full year course, meeting two periods a day)

**2412 ALLIED HEALTH III** College Prep (2.65 credits)

Students will expand their knowledge of advanced practices. Students will incorporate Medical Office Procedures into their practice. Students will be working with South Shore Hospital staff on resumes, interview skills, and job performance techniques. EKG and phlebotomy techniques are mastered to gain certification from the National Healthcare Association. Upon completion of all clinical hours students will be eligible for cooperative education.

Prerequisite: Successful completion of Allied Health II and students must be enrolled in college prep Anatomy & Physiology  
(Full year course, meeting three periods a day)

**2415 MEDICAL ETHICS AND LAW** College Prep (.5 credit)

Medical ethics and law are two areas that have particular interest for the general public as well as for the medical practitioner, and issues concerning medical ethics and law seem to be constantly in the headlines today. This semester introductory course provides an invaluable tool with which to think about ethical, legal, moral and social values that lie at the heart of medicine. Issues that this course will cover include: laws in health care, euthanasia and the morality of killing, political views on health care, genetics, modern reproductive technologies, trauma emergencies, mental health, medical research, organ donation, criminal punishment, abortion, racism, animal rights, the environment and hunger.

This class will be graded on participation in group discussion, debating, attendance, test grades, and 2 term papers.  
(Semester course, open to all students grades 10, 11, 12)

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## SHEET METAL / AIR CONDITIONING

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This program is focused on preparing students for a career in the layout, fabrication, and installation of duct work for heating, ventilation and air conditioning systems. It will also expose each student to a variety of sheet metal related careers which include welding, manufacturing, estimating and design and drafting of ventilation systems.

**2485 SHEET METAL I** College Prep (1.9 credits)

Students in this program will continue to develop a foundation of basic sheet metal skills previously learned during the exploratory year. The curriculum includes shop safety and safe work practices, basic drafting, and trade math. Students will lay out and fabricate a variety of rectangular duct fittings and accessories commonly used in ventilation systems.

Prerequisite: Grade of 75% or better in Technical Exploratory.  
(Full year course, meeting two periods a day)

**2486 SHEET METAL II** College Prep (2.9 credits)

Second year students will continue to expand their trade math and drafting skills in order to lay out and fabricate a variety of round and oval duct fittings and accessories commonly used in ventilation systems. Students will also be introduced to blueprint reading, estimating, duct sizing and design. We will also be introducing basic welding, cutting and soldering principles. This course may also include installation work on outside projects and projects within the school as they arise.

Prerequisite: Grade of 75% or better in Sheet Metal I  
(Full year course, meeting three periods a day)

**2487 RELATED SHEET METAL II** College Prep (1 credit)

The Related Sheet Metal II Program is designed to complement instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the shop. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instruction, and other classroom activities to enhance student knowledge. This is a required course for all Level II students.

Prerequisite: Grade of 75% or better in Sheet Metal I  
(Full year course, meeting one period a day)

**2488 SHEET METAL III** College Prep (2.65 credits)

Students will be building upon welding safety and techniques from level I and level II instruction related to the following welding applications; oxyacetylene welding and burning, arc welding, M.I.G. welding, and T.I.G. welding. These skills will be used to layout and fabricate heavy gauge sheet metal duct fittings and other products related to the heating, ventilation and air conditioning industry. This course may also include installation work on outside projects.

Prerequisite: Grade of 75% or better in Sheet Metal II  
(Full year course, meeting three periods a day)

## SHEET METAL / AIR CONDITIONING (CONTINUED)

### 2489 RELATED SHEET METAL III

College Prep

(1 credit)

The Related Sheet Metal III Program is designed to complement and support instruction given to career and technical education students and this instruction is correlated as much as possible with activities currently being taught in the shop. Topics include: safety training, related academic instruction in math, science and English, technical program-related theory instruction, and other classroom activities to enhance student knowledge. This is a required course for all Level III students.

Prerequisite: Grade of 75% or better in Sheet Metal II

(Full year course, meeting one period a day)

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## ENGLISH DEPARTMENT

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English skills continue to form the core of college and employment preparation. Language--spoken and written, heard and read--is central to success both in high school education and beyond. Whatever students' career goals may be, competence in language serves a variety of purposes: accomplishing the business of everyday life, communicating attitudes and ideas, expanding thought, and challenging the imagination. For all students, the skills of reading, writing, thinking, speaking, listening, viewing, and presenting will be necessary as they are expected to read a wide variety of materials; to write essays, reports, and research papers; to express themselves aloud; and to listen and learn from discussions and lectures.

All students must take full-year English courses in grades 9, 10, and 11. Seniors may elect either a full-year course or two semester courses. If seniors elect two semester courses, one literature course and one skills course must be taken that year. Seniors are expected to remain in their selected course for the duration of the semester. Changes will not be considered based on dissatisfaction with course materials, teacher, or amount of work assigned. In the event of scheduling conflict, students may take two literature courses to fulfill the requirements of senior year English. Seniors may not elect two skills courses for the fourth year requirement. In the case that a student takes English electives in their junior year, one elective may be applied towards the 4.0 credit English graduation requirement. Students will still have to take and pass at least one English Literature course during their senior year.

### Reading Program

Students who need continued support in reading skills are required by their English teachers to take reading. This decision will be based on class performance, assessment results, and English grades.

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## ENGLISH 9

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Students are challenged to perfect their fundamental skills in grammar, usage, and mechanics through reading, writing, and listening; to build vocabulary and improve comprehension through reading various genres of literature; and to demonstrate their mastery of subject matter in writing a variety of assignments. The specific genres studied in grade nine are drama, nonfiction, novel, poetry, and short story. A research project is required at all levels.

### 1010 ENGLISH I

Honors

(1 credit)

This course is a genre-based introduction to an intensive college preparatory study of literature and writing. Drawing from the canon of world literature, this course will allow students to explore relevant and dynamic universal themes while learning about the mechanics of the writing process by writing a variety of types of essays, including analytical, expository, persuasive and research. Vocabulary instruction will also be provided. Students in this level should be reading and writing above grade level and must be prepared to accept additional reading and writing challenges as assigned by the teacher. Students will receive instruction to prepare them for the MCAS exam administered in grade 10.

Prerequisite: 85% or better in Grade 8 English or departmental approval

(Full year course)

### 1011 ENGLISH I

College Prep

(1 credit)

This course is a genre-based introduction to a college preparatory study of literature and writing. Drawing from the canon of world literature, this course will allow students to explore relevant and dynamic universal themes while learning about the mechanics of the writing process by writing a variety of types of essays, including analytical, expository, persuasive and research. Vocabulary instruction will be provided. Students will also receive instruction to prepare them for the MCAS exam administered in grade 10.  
(Full year course)

### 1015 READING FOR ACHIEVEMENT

College Prep

(.5 credit)

Reading for Achievement introduces students to reading skills required for a successful high school experience. Students will read and write for a variety of purposes: to gain and/or show knowledge, to enjoy, to teach, and to analyze. Students will read a variety of genres from different content areas as well. Study skills, as well as the basic skills of writing, speaking, and listening, are emphasized.

*This course does not fulfill English graduation requirements.*

(Semester course)

## ENGLISH 9 (CONTINUED)

### 1017 TECHNIQUES OF READING I

Un-leveled

(.5 credit)

The objective of this course is to aid students whose reading ability is below grade level in making the transition to the level of reading tasks and study skills required in high school. Emphasis is on structural word analysis, vocabulary and comprehension development, and listening skills. Organization and reference skills are stressed. This course is required for incoming ninth graders who are reading below grade level. *This course does not fulfill English graduation requirements.*

(Semester course)

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## ENGLISH 10

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### 1020 ENGLISH II

Honors

(1 credit)

This course provides an intensive study of American literature. The various literary genres- biographies, essays, lyric and dramatic poems, short stories, plays, and novels- are presented either chronologically or thematically. Literary works of considerable complexity, such as *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, and *Walden* are studied in depth. Instruction in writing emphasizes personal and expository essays. Oral and/or written assignments provide practice in methods of research and techniques of analysis. The course includes work in vocabulary development, a comprehensive review of grammar, and strategies for taking the PSAT. Students will receive instruction to prepare them for the MCAS exam administered in grade 10. A research project is required.

Prerequisite: Maintain a 75% average or better in prior Honors level English course / or upon recommendation of teacher.

(Full year course)

### 1021 ENGLISH II

College Prep

(1 credit)

This chronological and thematic study of American literature reviews the various literary genres biographies, essays, lyric and narrative poems, short stories, plays, and novels. Instruction in writing emphasizes personal and expository essays. Oral and/or written assignments provide practice in methods of research and techniques of analysis. The course includes extensive work in vocabulary development, a comprehensive review of grammar, and strategies for taking the PSAT. Students will receive instruction to prepare them for the MCAS exam administered in grade 10. A research project is required.

Prerequisite: Successful completion of English (I)

(Full year course)

### 1027 TECHNIQUES OF READING II

Un-leveled

(.5 credit)

This course presents a continued development of skills for students who need attention and direction in reading. There is further concentration on content area reading and the development of appropriate reading rates to help students cope with the material presented in subject areas. Students are exposed to a variety of reading materials, tasks, and evaluation approaches. Reading management skills are monitored and evaluated frequently. Students who need continued support in reading and are not enrolled in Strategies for Success (ELA) are required to take this course. *This course does not fulfill English graduation requirements.*

(Semester course, open to grade 10)

### 1076 STRATEGIES FOR SUCCESS: ELA

Un-leveled

(.325 credit)

This course focuses on improving students' reading and writing skills. Students are exposed to a variety of reading materials, tasks, and evaluation approaches. Students practice analyzing and responding to open response questions and writing prompts similar to those on the MCAS Tests. Extensive work on topic development and the correct use of standard English conventions is required. All writing is assessed according to the MCAS rubric model. The focus is on both MCAS preparation and MCAS remediation with emphasis on test taking strategies and content specific weaknesses. This course is required for those students who are at risk for failing the MCAS English Test. This course does not meet the English requirement for graduation.

(First 3 Quarters of the school year, meeting three times in a seven day cycle)

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## ENGLISH 11

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### 1000 AP ENGLISH III

Advanced Placement

(1 credit)

This course is the first course in a two-year sequence preparing students for the AP Exam in Literature and Composition. Principal activities in reading and writing are based on the recommendations of the College Board for English AP courses. This course requires rigorous outside reading in British and world literature. Students complete extensive writing assignments, including in-class timed writings based on actual AP Test questions and a major research paper. Vocabulary development, PSAT, SAT and ACT preparation, and a comprehensive review of grammar and usage are also included. Weekly analytical essays are required. Summer work may be required for AP classes.

Prerequisite: Recommendation based on grades, portfolio, application, and possible interview. Summer work may be required for AP classes. Students are expected to take the Advanced Placement Test.

(Full year course)

## ENGLISH 11 (CONTINUED)

### 1030 ENGLISH III

Honors

(1 credit)

Although the format and text readings of Honors English 11 are the same as College Prep English 11, this course requires extensive outside reading, intensive vocabulary study, and more in-depth writing assignments.

Prerequisite: Maintain a 75% average or better in prior Honors level English course / or upon recommendation of teacher.  
(Full year course)

### 1031 ENGLISH III

College Prep

(1 credit)

Critical approaches to literature are explored through the chronological and thematic study of British literature from *Beowulf* through the modern period. Language arts study continues through an emphasis on the writing of analytical/research papers. Increased outside reading is required. Vocabulary development, preparation for standardized testing, and a comprehensive review of grammar and usage are included. Students receive instruction in the writing of a personal statement for college applications. A research project is required.

Prerequisite: Successful completion of English II  
(Full year course)

### 1037 ADVANCED LITERARY STRATEGIES I

Un-leveled

(.5 credit)

This course is for juniors who need continued support in their reading skills in order to complete their high school experience successfully. The course reviews analytical and critical comprehension, higher level study skills, and appropriate reference sources - the skills needed to complete the more complex reading tasks assigned at this level. Students who need continued support in reading are required to take this course. *This course does not fulfill English graduation requirements.*

(Semester course, open to grade 11)

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## ENGLISH 12

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### 1001 AP ENGLISH IV

Advanced Placement

(1 credit)

This course focuses on preparing students for the English AP Exam in Literature and Composition. Principal activities in reading and writing in the course are based on the recommendations of the College Board for English AP courses. Students read, discuss, and study intensively a wide range of novels, short stories, poetry, and drama and write extensively on them in both timed in-class exercises and take-home papers. Students also complete two major independent studies. Study of painting, music, and other arts is incorporated for enrichment wherever appropriate. Students enrolled in the course are strongly encouraged to take the English AP Exam in May. Students must take English AP 11 junior year. Enrollment is limited. Summer work may be required for AP classes.

Prerequisite: Maintain a 80% average or better in Course# 1000 English III AP or upon recommendation of teacher of Course #1000 Students are expected to take the Advanced Placement Test.  
(Full year course)

### 1040 ENGLISH IV / CONTEMPORARY HUMANITIES

Honors

(1 credit)

Contemporary Humanities offers a chronological survey of several major literary works of the 20<sup>th</sup> century within their historical context. The course focuses on improving students' writing skills in interpreting examples of 20<sup>th</sup> century literature – novels, short stories, poetry, and drama – and developing and honing the writing skills necessary for college. Such works as Conrad's *Heart of Darkness*, Chopin's *The Awakening*, Joyce's *A Portrait of the Artist as a Young Man*, Hemingway's *A Farewell to Arms*, O'Neill's *Long Day's Journey into Night*, Williams', *Streetcar Named Desire* and Kingston's *The Woman Warrior* are read and studied. In addition, representative examples of 20<sup>th</sup> century art and music are reviewed.

Prerequisite: Maintain a 75% average or better in prior Honors level English course / or upon recommendation of teacher.  
(Full year course, open to grade 12)

### 1041 ENGLISH IV / WORLD LITERATURE

College Prep

(1 credit)

This survey course provides college preparatory students with skills in literary analysis and expository writing. Elements of great literature not included in previous courses are studied. In the first semester, emphasis is placed on the reading of essays, poetry, and drama; in the second semester, the focus is on short stories and novels. Because works are grouped by genre, classic as well as modern works are read, including representative samples from European, Russian, Asian, Latin American, and African literature. Instruction in writing concentrates on proficiency in researching, developing, organizing, and revising ideas. Formal essays, research papers, and independent projects are part of the required writing in the course.

Prerequisite: Successful completion of English III  
(Full year course, open to grade 12)

### 1042 ENGLISH IV: PREPARING FOR 21<sup>st</sup> CENTURY SKILLS AS A WORLD CITIZEN

College Prep

(1 Credit)

This course will provide exposure to classic American and world literature, covering such classics as *Death of a Salesman*, a Shakespeare not read in previous classes (*Hamlet*, *Othello*, current readings from newspapers and magazines such as the *The New Yorker*, and contemporary literature from world authors. Assignments in literature consist of reading novels, short stories, plays, and non fiction selections. Writing tasks will focus on analytical essays, as well as development of the college entrance essay, and composing resumes for future employment. A review of grammar and vocabulary development will be a focus. A research paper and PowerPoint presentation are also required.

(Full year course, open to grade 12)

## ENGLISH 12 (CONTINUED)

### 1047 ADVANCED LITERARY STRATEGIES II

Un-leveled

(.5 credit)

This course is designed for students who need support with their reading skills to raise reading levels in preparation for employment and continued education. Emphasis is on skills that prepare students for the reading materials they will encounter after graduation. Critical thinking skills are emphasized as students analyze text and evaluate ideas. Students who need continued support in reading are required to take this course. *This course does not fulfill English graduation requirements.*

(Semester course, open to grade 12)

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## LITERATURE ELECTIVES

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### 1050(H) / 1052(CP) COMEDY AND HUMOR IN LITERATURE

Honors/College Prep

(.5 credit)

This course presents an extensive study of humor in life, literature, and other media from the middle ages to the current time. Students study various forms of humor including the humorous essay, comic drama, satire, parody, and comic relief. Special emphasis is given to the psychological aspects of humor and laughter. This course requires research, critical essays, and literature reviews. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level / or upon recommendation of teacher.

(Semester course, open to grades 11 and 12)

### 1060 MYTHOLOGY

College Prep

(.5 credit)

This course is designed to be a transition to first-year college work. Using Greek and Roman mythology as a base, students examine comparative world mythology including Norse and Indian mythology. Students also study the pattern of the heroic myth through a comparative study of epic heroes in novels which incorporate myth and folklore such as *Dracula* and *The Natural*. Students are required to read difficult material independently and submit a research paper.

(Semester course, open to grades 10, 11, 12)

### 1062 MODERN AMERICAN AUTHORS

College Prep

(.5 credit)

Modern American Authors surveys the works of our major writers from 1900 to the present. Course work emphasizes close examination of novels, drama, and poetry and the relationship of those works to the social, cultural, and literary environments of the period. This course includes research activity, written book reviews, and critical essays.

(Semester course, open to grades 11, 12)

### 1070 LITERATURE OF THE UTOPIAS

Honors

(.5 credit)

Utopian literature is the study of ideal and futuristic societies. Principal works studied in the course include Plato's *Republic*, More's *Utopia*, Bellamy's *Looking Backward*, Gilman's *Herland*, Huxley's *Brave New World*, and Orwell's *1984*. The primary focus of the course is on the distinct qualities of these utopian societies, the differences among these various societies, and the literary aspects of each work. Contemporary social and political issues are also addressed in class discussion and in weekly essays. Research skills are reviewed and reinforced in preparation for a required research paper.

Prerequisite: Maintain a 75% average or better at this level / or upon recommendation of teacher.

(Semester course, open to grades 11, 12)

### 1072 CONTEMPORARY LITERATURE

College Prep

(.5 credit)

Course content is based on short stories and novels. The continued development of skills in reading and understanding literature, vocabulary, and written language are stressed. The literature deals with mystery, science fiction, and adventure. The course is designed to help develop critical thinking skills that will motivate students to become lifelong learners.

(Semester course, open to grades 11, 12)

### 1071 LITERATURE OF DIVERSITY

College Prep

(.5 credit)

The artistic expressions of people of color (African-Americans, Asians, Latinos, and Native Americans) are celebrated through the readings of novels, short stories, poetry, drama, and non-fiction. Special contributions of ethnic and religious racial groups to the American community are explored. Women's unique gifts in literature are highlighted.

(Semester course, open to grades 11, 12)

### 1073 CHILDREN'S LITERATURE

College Prep

(.5 credit)

Major emphasis is placed upon Mother Goose, picture books, and folk tales, although the course covers the worldwide scope of children's literature from pre-school through adolescence. Students write, illustrate, and bind a children's book or do an analytical/critical project. Writing assignments, vocabulary study, research study, and book reviews are required.

(Semester course, open to grades 11, 12)

## ENGLISH DEPARTMENT (CONTINUED)

### 1075 DRAMA

College Prep

(.5 credit)

In this course students will read a wide selection of plays from different historical periods from ancient Greece to the modern era. The relationship of those works to the social, cultural, and literary environment of those periods is studied. The elements of both tragedy and comedy are analyzed. This course includes research activity, written play reviews, and critical essays along with workshops on staging and actor's craft. The focus of this course is on drama as a literary genre.

(Semester course, open to grades 10, 11, 12)

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## SKILLS & GENERAL ELECTIVES

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### 1014 INTRODUCTION TO CREATIVE WRITING

College Prep

(.25 credit)

This course challenges those who wish to express themselves imaginatively in description, narration, exposition, and persuasion. Individual interests and talents determine the writers' goals. Continued reading, as well as the keeping of a journal, is encouraged as the source of ideas for expression. This course does not fulfill English graduation requirements.

(Quarter course, open to grades 9, 10, 11, 12)

### 1080 THE ART OF WRITING

Honors

(.5 credit)

This course focuses on various forms of description, narration, exposition, drama and poetry. Students write about several topics including personal experience, music, art, and both cultural and topical issues. Study of traditional and contemporary works of prose, poetry and drama, as well as the keeping of a personal journal provide additional inspiration and guidance for student writing. While stylistic independence is a main focus of the course, students will also collaborate with peers and explore publishing opportunities in both online and print publications.

Prerequisite: Maintain a 75% average or better at this level or upon recommendation of teacher.

(Semester course, open to grades 11, 12)

### 1082(H) / 1084(CP) SEMANTICS

Honors/College Prep

(.5 credit)

The language we use and think we understand is a powerful force. Human beings talk. This gives us the unique ability to talk ourselves into trouble. Semantics is concerned with how to avoid doing so. The course examines the force of language in the shaping of human behavior and thought. Students explore the abuse of language in areas such as propaganda and sexism. This course is open to all students. Accelerated assignments and differentiated grading are given to those students requesting honors or college prep credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level / or upon recommendation of teacher.

(Semester course, open to grades 11, 12)

### 1086(H) / 1088(CP) THEORIES OF VIOLENCE IN AMERICAN CULTURE

Honors/ College Prep

(.5 credit)

What lies behind America's simultaneous disgust and obsession with violence? What social and psychological effects are generated by living in a culture of fear? Is our culture truly built and maintained by violence or the threat of violence? Who has the "right" to use violence? Is violence an integral part of the American character? These questions gain more importance everyday and need to be understood on a personal, communal and global level. By analyzing the words and images of our culture, we will attempt to address these issues in an interdisciplinary format using a variety of lenses: ethical, historical, psychological, sociological, semiotic, linguistic, musical and economic. Topics will include: violence in movies, on TV and in music; racial violence, mob mentality and group violence; domestic abuse; gangs; police brutality and social control; the portrayal of violence in the news; American foreign policy; violence in literature; problem solving and violence; gender and violence; violence, children and schools; anti-violence and de-escalation. This is a writing intensive course. Accelerated assignments and differentiated grading are given to those students requesting honors or college prep credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level / or upon recommendation of teacher.

(Semester course, open to grade 12)

### 1090(H) / 1092(CP) PUBLIC SPEAKING

Honors/College Prep

(.5 credit)

Students enrolling in Public Speaking should be willing to participate daily since practice is more important than lectures. This course makes students aware of themselves as speakers in relation to their audiences and helps them recognize how to communicate with such awareness. Public speaking experiences include speeches, nonverbal communication, group discussion, oral interpretations, impromptu speaking, and debate. This course is open to all students. Accelerated assignments and differentiated grading are given to those students requesting honors or college prep credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level / or upon recommendation of teacher.

(Semester course, open to grades 11, 12)

### 1094(H) / 1096(CP) FILM CRITICISM

Honors/ College Prep

(.5 credit)

This course is designed to cultivate writing and analytical skills, provide an understanding of production, directorial and narrative technique, and present a chronological survey of film. Students will analyze, discuss and write about a variety of film genres and styles from a number of time periods and cultures. While class periods are discussion based, this is a writing intensive course. Daily journals are mandatory. In addition to a research project, a number of thematic analysis papers are required. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level / or upon recommendation of teacher.

(Semester course, open to grades 11, 12)

## ENGLISH DEPARTMENT (CONTINUED)

### 1097 JOURNALISM

College Prep

(.5 credit)

This course has three main goals: to improve students' writing, to enhance their ability to analyze and interpret the products of the news media, and to introduce them to some of the central issues facing society and the news media today. Students learn to write "straight news" stories, features, and editorials, and are introduced to the basics of desktop publishing. Individual errors in grammar, usage, and style are corrected; class time is devoted to developing editing techniques in order to eliminate errors. Students produce a complete newspaper using both self-generated and teacher-provided data. Vocabulary study is required.

(Semester course, open to grades 10, 11, 12)

### 1018(3x) / 1019(7x) WRITING LAB

Un-leveled

(.4 - 1 credit)

Writing Lab is a full year course, meeting either three times in a seven day cycle or seven times in a seven day cycle. Writing Lab is a class designed to help students develop a strong introductory foundation in writing closely linked with students' reading experiences. Writing Lab is support for any student who has yet to master the various types of writing. Students in this class are required to show competency in a number of writing pieces as well as be able to utilize the writing process as outlined in the Massachusetts ELA Frameworks. Students may be assigned to the Writing Lab by teacher recommendation. *This course does not fulfill any English requirement for graduation.*

(Full course, open to grades 9, 10, 11, 12)

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## FOREIGN LANGUAGE

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Every student should have the opportunity to elect a foreign language. The goal of our language department is to develop proficiency in listening, speaking, reading and writing in order to prepare our students for any kind of language endeavor.

Proficiency in a foreign language at any level helps better prepare students to be productive citizens in the 21<sup>st</sup> century. Foreign language classes help students to increase their knowledge and appreciation of the diverse cultures of the countries whose languages they are learning. In addition, knowing a foreign language can influence post-secondary education and career opportunities.

Only foreign language courses taken at the high school level, while enrolled in high school, can be applied towards the fulfillment of a college entrance requirement.

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## FRENCH

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### 1211 FRENCH I

College Prep

(1 credit)

In this course the student learns to listen, speak, read and write in French. This multi-media program helps the student to learn contemporary vocabulary and grammar and introduces the student to Francophone culture.

(Full year course, open to grades 9, 10, 11, 12)

### 1220 FRENCH II

Honors

(1 credit)

The student will continue to develop the speaking, listening, reading and writing skills begun in French I. Oral communication is enriched through viewing contemporary videos in French and participation in dialogues in French. The student will continue to learn about French culture and civilization through short readings in French. Intense work on verbs and vocabulary will provide a firm foundation in grammar.

Prerequisite: 75% or better in French I

(Full year course, open to grades 9, 10, 11, 12)

### 1221 FRENCH II

College Prep

(1 credit)

In this course the student reviews the basic grammar and vocabulary from French I while continuing to listen to and speak French in class. The student also continues to learn new grammar and thematic vocabulary. Cultural reading and videos in French further enrich the language experience.

Prerequisite: Successful completion of French I

(Full year course, open to grades 9, 10, 11, 12)

### 1230 FRENCH III

Honors

(1 credit)

A review of grammar and vocabulary studied in previous years is presented in order to prepare students for more complex grammatical points and advanced verb tenses. Students will develop listening, speaking, reading and writing skills at a more advanced level using a variety of current instructional techniques.

Prerequisite: 75% or better in French II Honors.

(Full year course, open to grades 9, 10, 11, 12)

## FOREIGN LANGUAGE (CONTINUED)

### 1231 FRENCH III

College Prep

(1 credit)

After a thorough review of the basic structures and vocabulary studied in French II College Prep, this course will stress the oral aspects of the language through videos and also listening comprehension and speaking activities. Reading and writing skills will be developed through the use of newspaper and magazine articles.

Prerequisite: Successful completion of French II

(Full year course, open to grades 9, 10, 11, 12)

### 1240 FRENCH IV

Honors

(1 credit)

This course is based on current French language materials, continuing the emphasis, begun in French III Honors, on accuracy and fluency which will be further developed using classroom discussion and written commentaries in the language. The students will be exposed to the culture of the French speaking world through the use of videos, articles from the Internet, E-mail exchanges and other pertinent materials.

Prerequisite: Grade of 75% or better in French III Honors

(Full year course, open to grades 10, 11, 12)

### 1241 FRENCH IV

College Prep

(1 credit)

This course is a continuation of the College Prep series for the student who is interested in refining conversational ability and listening skills at a less demanding pace than that of the honors sequence. Selected reading passages will be used to present current topics.

Prerequisite: Successful completion of French III

(Full year course, open to grades 10, 11, 12)

### 1250 FRENCH V

Honors

(1 credit)

This course continues to place great emphasis on oral proficiency and fluency through discussions and written commentaries in the language. Students will also be exposed to the culture of France and the French speaking areas of the world by the use of videos, realia, individual research, readings and the media. Skits and videos will be prepared by the students using thematic vocabulary.

Prerequisite: 75% or better in French IV

(Full year course, open to grade 11, 12)

### 1200 FRENCH V AP

Advanced Placement

(1 credit)

French V AP is designed to prepare students who plan to take the Advanced Placement French Language Exam and/or the French Subject Test. Special emphasis will be placed on the nuances of grammatical analysis and syntax in oral and written expression and test preparation. Selected literature readings will be used. Regular writing assignments, such as journal entries, will be given to practice the advanced structures presented. Speaking assignments will be given and prepared on audio cassette tapes or CDs on a regular basis. Students are expected to take the Advanced Placement Test.

Prerequisite: 75% or better in French IV Honors

(Full year course, open to grade 11, 12)

### 1260 FRENCH VI

Honors

(1 credit)

French VI is designed for the highest level of advanced French study offered to students who may plan to continue French at the post-secondary level without preparing for the Advanced Placement Language Exam. The course focuses on contemporary issues in the Francophone world with an emphasis on communication through speaking, reading, writing, listening and the use of technology.

Prerequisite: Grade of 75% or better in French V honors.

(Full year course, open to grade 11, 12)

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## GERMAN

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### 1311 GERMAN I

College Prep

(1 credit)

This multi-media program helps students speak, understand and write elementary German through the use of classroom dialogues and contemporary vocabulary. Students will also study the people and culture of Germany through videotapes and cultural experiences relevant to students' lives.

(Full year course, open to grades 9, 10, 11, 12)

### 1320 GERMAN II

Honors

(1 credit)

This course will reinforce the fundamentals learned in German I. Greater emphasis will be placed on reading and writing.

Composition and discussion work will develop the basic skills.

Prerequisite: Grade of 75% or better in German I College Prep

(Full year course, open to grades 10, 11, 12)

## FOREIGN LANGUAGE (CONTINUED)

### 1330 GERMAN III

Honors

(1 credit)

Conversation skills on an advanced level will be emphasized in this course. The study of formal grammar will be completed. Reading and writing skills will be reinforced through short stories and summaries in German. Competent oral skills will be attained by the end of the course through contemporary discussion topics and cultural commentaries.

Prerequisite: Grade of 75% or better in German II Honors

(Full year course, open to grades 11, 12)

### 1340 GERMAN IV

Honors

(1 credit)

This course continues the emphasis on accuracy and proficiency begun in previous years. Students will begin reading German literature and will write commentaries and essays in the German language. Students will continue to learn about the culture and civilization of German speaking countries.

Prerequisite: Grade of 75% or better in German III Honors

(Full year course open to grade 12)

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## LATIN

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### 1411 LATIN I

College Prep

(1 credit)

The objectives of this course are mastery of a basic vocabulary of about 500 words, knowledge of declensions of nouns, adjectives and pronouns, conjugations of verbs and grammatical structures. Students will read about Latin prose, classic mythology and Roman life via translation. Students will find this course helpful in the development of their English skills and in the development of derivative recognition as preparation for the Scholastic Aptitude Tests.

(Full year course, open to grades 9, 10, 11, 12)

### 1420 LATIN II

Honors

(1 credit)

This course will review the concepts of Latin I and further develop more complete grammatical structures. More readings, both literary and cultural, are included, emphasized and further developed. Derivative recognition will continue for SAT preparation. The more advanced grammar and vocabulary will prepare the student for Latin III Honors.

Prerequisite: Grade of 75% or better in Latin I

(Full year course, open to grades 9, 10, 11, 12)

### 1430 LATIN III

Honors

(1 credit)

The curriculum of the course will develop sequential skills in grammar and translation. The major objectives of the course will be to learn how to read, understand and analyze Latin prose and poetry, as well as preparing the student for Latin IV Honors

Prerequisite: Grade of 75% or better in Latin II Honors

(Full year course, open to grades 9, 10, 11, 12)

### 1440 LATIN IV

Honors

(1 credit)

This course will continue the development of skills in grammar and word derivation skills. Prose and poetry selections in the original Latin will be read and discussed along with the political structure of the Roman Republic and Empire. The increasingly complex structures and literature will prepare the student for Latin V Honors.

Prerequisite: 75% or better in Latin III Honors

(Full year course, open to grades 10, 11, 12)

### 1450 LATIN V

Honors

(1 credit)

The primary focus of this course will be for the student to develop facility in reading, understanding, interpreting and analyzing authentic Latin texts. The historical context of these texts will be considered as well as their influence on the literature of the Western world.

Prerequisite: Grade of 75% or better in Latin IV Honors

(Full year course, open to grades 11, 12)

### 1460 LATIN VI

Honors

(1 credit)

This course is designed for students who have achieved a facility in translating Latin literature. The focus of the course will be the translating of both lyric and epic poetry of the first century. Stylistic analysis (literary techniques and metrics) will be an essential part of this study. A review of grammar will be included, as well as an examination of the cultural, social and political context of each text.

Prerequisite: Grade of 75% or better in Latin V Honors

(Full year course, open to grades 11, 12)

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## SPANISH

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- 1511 SPANISH I** College Prep (1 credit)  
This course offers students the opportunity to develop listening, speaking, reading and writing skills through thematic and active vocabulary, dialogues and readings. This course also includes an introduction to the culture and customs of the Spanish speaking world.  
(Full year course, open to grades 9, 10 11 12)
- 1520 SPANISH II** Honors (1 credit)  
This course is part of a five year honors sequence which begins in grade 8. There will be an emphasis on reading, writing and listening in the Spanish language with a strong emphasis on speaking Spanish in class.  
Prerequisite: Grade of 75% or better in Spanish I  
(Full year course, open to grades 9, 10, 11, 12)
- 1521 SPANISH II** College Prep (1 credit)  
This course reinforces the basic language skills of speaking, listening, reading and writing. It also continues the cultural awareness introduced in Spanish I. Students will have the opportunity to develop oral and written skills through the use of classroom dialogues and short reading passages.  
Prerequisite: Successful completion of Spanish I  
(Full year course, open to grades 9, 10, 11, 12)
- 1530 SPANISH III** Honors (1 credit)  
In this course students will develop listening, speaking, reading and writing skills at an advanced level. Classes will be conducted in Spanish as allowed. Students who plan to take Honors Spanish IV should take this course.  
Prerequisite: Grade of 75% or better in Spanish II Honors  
(Full year course, open to grade 9, 10, 11, 12)
- 1531 SPANISH III** College Prep (1 credit)  
This course will continue the study of the Spanish speaking world. Students will progress in communication skills with the study of grammar and vocabulary. Reading and listening skills will continue to be developed through tapes, CDs, DVDs, and cultural projects.  
Prerequisite: Successful completion of Spanish II  
(Full year course, open to grades 9, 10, 11, 12)
- 1540 SPANISH IV** Honors (1 credit)  
This course continues the emphasis on accuracy and fluency begun in previous years. Students will begin reading classics in Spanish literature and converse in the target language on a regular basis. Students who plan to take Advanced Placement Spanish V should take this course.  
Prerequisite: Grade of 75% better in Spanish III Honors  
(Full year course, open to grades 10, 11, 12)
- 1541 SPANISH IV** College Prep (1 credit)  
In this course students will review grammatical structures and strengthen their communication skills. Class discussions and dialogues will be used to improve students' ability to speak Spanish. Short readings and literary excerpts will be used to increase knowledge of Hispanic culture. The class will be conducted mostly in Spanish.  
Prerequisite: Successful completion of Spanish III  
(Full year course, open to grades 10, 11, 12)
- 1550 SPANISH V** Honors (1 credit)  
In this course a variety of materials will be used for students to study the fine points of Spanish grammar and vocabulary usage. Speaking in the target language will be emphasized as well as Hispanic literature. Writing in Spanish will be required. Culture and civilization will be discussed. Classes will be conducted in Spanish.  
Prerequisite: Grade of 75% or better in Spanish IV Honors  
(Full year course, open to grade 11, 12)
- 1551 SPANISH V** College Prep (1 credit)  
This course is designed for the student who enjoys Spanish and wishes to perfect listening, speaking, reading and writing skills. The teacher will encourage proper usage by conducting most classes in Spanish.  
Prerequisite: Successful completion of Spanish IV  
(Full year course, open to grade 11, 12)

## FOREIGN LANGUAGE (CONTINUED)

### 1500 SPANISH V AP

Advanced Placement

(1 credit)

This course prepares students for study of the fine points of grammar, as well as, proper vocabulary usage. Special emphasis will be placed on speaking correctly, reading challenging literature and writing clearly. Hispanic culture and civilization will be presented. Classes will be conducted in Spanish. Students are encouraged to take the Advanced Placement Test.

Prerequisite: Grade of 75% or better in Spanish IV Honors

(Full year course, open to grade 11, 12)

### 1555 SPANISH VI

Honors

(1 credit)

Spanish VI is one of two options for the final year in the Honors Spanish language sequence. It prepares students to continue Spanish at the post-secondary level without preparing for the Advanced Placement Test. The course focuses on contemporary issues in the Spanish speaking world with emphasis on communication through speaking, reading, writing, listening and the use of technology.

Prerequisite: Grade of 75% or better in Spanish V Honors

(Full year course, open to grades 11, 12)

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## SIGN LANGUAGE

### 1573 SIGN LANGUAGE I

College Prep

(1 credit)

This is an introductory course in sign language, the language of the deaf. Both finger spelling and hand signing will be covered. The production (expressive) and the recognition (receptive) aspects of sign language will be incorporated. It is intended for those students who have never before signed as a way of communication. Many, but not all, institutions of higher learning accept sign language as a foreign language requirement for acceptance. It is the student's responsibility to determine if the college of his/her choice will accept sign language as fulfillment of a foreign language requirement.

(Full year course, open to grades 10, 11, 12)

### 1574 SIGN LANGUAGE II

College Prep

(1 credit)

Sign Language II reviews and strengthens communicative competencies acquired in the Sign Language I course. Receptive and expressive skills are further developed through expanded vocabulary and grammar. Skills are practiced in meaningful contexts through the use of interactional techniques, demonstrations, drills, games, dialogues, and other activities. Exposure to short narratives and stories will help students to continue developing their visual skills. Students are videotaped in class so they may later analyze their sign production, grammar, word choice, and use of facial expression and body movement. Deaf culture is further explored through discussions, readings, field trips and guest speakers. Many, but not all, institutions of higher learning accept sign language as a foreign language requirement for acceptance. It is the students' responsibility to determine if the college of his/her choice will accept sign language as fulfillment of a foreign language requirement.

Prerequisite: Successful completion of Sign Language I

(Full year course, open to grades 10, 11, 12)

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## ENGLISH LANGUAGE EDUCATION

### 1563 ENGLISH LANGUAGE EDUCATION I

College Prep

(4 credits)

College Prep students will increase their understanding of the spoken language through the study of idiomatic language. Communicative skills will be increased through small and large group discussion. Reading skills will include identifying the main idea, details and cause and effect. In writing skills, sentence structure will be expanded to include paragraph writing. This course may qualify for English credit.

Prerequisite: Teacher Recommendation

(Full year course, meeting four periods a day, open to grades 9, 10, 11, 12)

### 1564 ENGLISH LANGUAGE EDUCATION II

College Prep

(2 credits)

Students will increase their ability to understand the language used in the lecture/note-taking approach to learning. Speaking skills will be developed through individual oral reports. Realia - newspapers, magazines, advertisements - will be used to increase reading comprehension. Inferencing and critical reading skills will be developed. Expressing personal opinions through writing will be encouraged. This course may qualify for English credit.

Prerequisite: Teacher recommendation

(Full year course, meeting two periods a day, open to grades 9, 10, 11, 12)

## FOREIGN LANGUAGE (CONTINUED)

### 1565 ENGLISH LANGUAGE EDUCATION III

College Prep

(1 credit)

Students will develop a comprehension of the language of news media commentary. Students will begin to develop fluency and accuracy of speech and continue oral language vocabulary. Group and individual oral reports will be required. Reading will include selections from standard American literature. Accuracy of grammar and structure will be emphasized and encouraged in writing skills.

Prerequisite: Teacher recommendation

(Full year course, meeting one period a day, open to grades 9, 10, 11, 12)

### 1560 ENGLISH LANGUAGE EDUCATION III

Honors

(1 credit)

Honors students will develop listening skills through the use of the listening section of TOEFL (Test of English as a Foreign Language) and the ELPT (English Language Proficiency Test). Fluency and accuracy will be expected. Reading will be literature-based, using novels, short stories and the poetry of American writers. Grammar, structure and vocabulary will be based on the readings. Both oral and written reports will be required.

Prerequisite: Teacher Recommendation

(Full year course, meeting one period a day, open to grades 9, 10, 11, 12)

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## HEALTH & PHYSICAL EDUCATION

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Comprehensive health education enables students to thrive, persevere, and maintain both positive attitudes and healthy bodies. The core concept is to build resiliency through fundamental health concepts, while promoting habits and behavior which enhance health and guide efforts to support families, schools, and the community. The health curriculum is targeted at priority areas appropriate for developmental stage and potential risk. Health instruction provides activities to enhance decision-making and problem-solving competencies related to health literacy, healthy self-management, promotion and advocacy.

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### HEALTH

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#### 2516 HEALTH ISSUES

College Prep

(.25 credit)

The health curriculum will provide students with information and resources needed to establish fundamental health values. This course will provide insight into many of the critical issues impacting on the social and emotional development of the young adolescent. Taking control of their lives and developing a sound physical, mental, social and emotional well-being is essential. Instruction will include classroom discussion, group projects, guest speakers and community health projects. The course provides an opportunity to link the three disciplines of health, family and consumer sciences and physical education.

(Quarter Course, open to grades 9, 10, 11, 12)

#### 2523 NUTRITION & FITNESS

College Prep

(.25 credit)

This course is the study of the physical and chemical effects that food has on the body. Emphasis is on choosing foods wisely for optimum health and fitness. Some topics included are safety, sanitation, food selection, eating disorders, sports nutrition, meal planning, and consumerism. Class time consists of varied learning activities and practical laboratory experiences.

(Quarter course, open to grades 10, 11, 12)

#### 2557 SCHOOL-BASED TEENAGE EDUCATION PROGRAM (STEP)

Un-leveled

(.5 or 1 credit)

STEP is a one period a day, yearlong comprehensive pregnant and parenting teen program. This course will provide students with parenting education through teacher-directed studies on child rearing, family life and communication skills directly related to the student's present life path. Decision-making for the future will include career exploration as well as personal and family goal-setting. Discussion groups and guest speakers from the health care professions and social service agencies will be scheduled. The on-site Child Care Center provides quality childcare for the children of teen parents while attending classes.

(Semester or full year course)

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## PHYSICAL EDUCATION

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Physical Education is an integral part of the process of education and contributes to the complete development of the individual. Our program is one of directed, purposeful activity, centered on the total person. It provides opportunities that are invigorating, developmental, educational and lead to positive physical, mental, social and emotional growth, helping each student to develop his/her highest potential. It is the goal of the program to stimulate student interest and understanding in acquiring a sound body and mind, good health habits, and an appreciation of the benefits of physical activity throughout his/her lifetime and to acquire the skills necessary to achieve total fitness. State law requires that all students must participate in physical education during the school year. Participation in interscholastic sports or another approved after school activity may be an option of fulfilling this requirement if approved by the principal.

Classes are coeducational. It is recommended that students make up any failures in the semester immediately following. A doctor's certificate is the only acceptable reason for a student not meeting the physical education requirements.

<b>2511</b>	<b>PHYSICAL EDUCATION 9/10</b>	Un-leveled	(.25 credit)
<b>2521</b>	<b>PHYSICAL EDUCATION 11/12</b>	Un-leveled	(.25 credit)
<b>2543</b>	<b>PHYSICAL EDUCATION CTE (Career &amp; Tech Only)</b>	Un-leveled	(.10 credit)

The goal of the grade 9-12 physical education program is to introduce the importance of personal health and fitness. Exposing students to the components of fitness and their relation to lifetime activities serves as the focus of the curriculum. Students must enroll in at least one quarter of physical education every year. Students enrolled in CTE will take Course# 2543. Students may enroll in additional sections of physical education beyond the graduation requirement, space permitting, and only if they have received a 75% or better in their required physical education classes.

(Quarter Course)

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## HISTORY & SOCIAL SCIENCE EDUCATION

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The principal objectives of the History and Social Sciences program are to prepare students to meet, understand, and solve problems of living in a 21<sup>st</sup> century democratic society and to have each individual understand his/her relationship with self and society. Helping students to think critically, to read strategically, to communicate efficiently, to profit from the experiences of the past, to respect the contributions of all peoples, to work collaboratively, to use the tools of learning efficiently, to understand the community and the world in which they live, and to become aware of their privileges and responsibilities as citizens are some of the ways by which these objectives may be achieved.

<b>1110</b>	<b>MODERN WORLD HISTORY</b>	Honors	(1 credit)
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This course offers a detailed historical survey of Africa, Asia, Europe, and Latin America from 1800 to the present. This course will encompass geography, economics and government with a strong focus on the themes of nationalism, imperialism, and revolutions. Through lectures, group activities, and independent projects, students will learn to connect current world events to their historical roots. Topics are covered in-depth and independent work is expected.

Prerequisite: Grade of B or better in World History Grade 8

(Full year course, required for grade 9)

<b>1112</b>	<b>MODERN WORLD HISTORY</b>	College Prep	(1 credit)
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This course is an historical survey of Africa, Asia, Europe, and Latin America from 1800 to the present. Studies will encompass geography, economics, and government with a strong focus on the themes of nationalism, imperialism, and revolutions. Through lectures, group activities and independent projects, students will learn to connect current world events to their historical roots.

(Full year course, required for grade 9)

<b>1100</b>	<b>AP UNITED STATES HISTORY I</b>	Advanced Placement	(1 credit)
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This two year sequential course will prepare students to take the Advanced Placement Examination in United States History in May of the second year of this course. AP United States History I and II will provide students with analytical skills and factual knowledge to deal critically with the problems and materials in United States History. Advanced Placement United States History I will cover the major political, economic, religious, social, intellectual and artistic themes from 1492 to 1877. Students will learn to assess historical materials and weigh the evidence and interpretations presented in historical scholarship.

Prerequisite: Recommendation based on grades, portfolio, application, and possible interview. Summer work may be required for AP classes. Students are expected to take the Advanced Placement Test.

(Full year course, grade 10)

## HISTORY & SOCIAL SCIENCE EDUCATION (CONTINUED)

### 1120 UNITED STATES HISTORY I

Honors

(1 credit)

This is an intensive course designed for the highly motivated student who wishes to develop an in-depth understanding of American society and culture from the American Revolution (1763) to the Reconstruction of the South after the Civil War (1877). Emphasis is placed on research, open-ended questions, and critical and independent thinking.

Prerequisite: Maintain a 75% average or better at this level or upon recommendation of teacher

(Full year course, required for grade 10)

### 1122 UNITED STATES HISTORY I

College Prep

(1 credit)

This course is a survey of United States history from the American Revolution (1763) to Reconstruction of the South after the Civil War (1877). The course fulfills all requirements for those students interested in attending a four year college. Emphasis is placed on developing reading, writing, discussion, and thinking skills.

(Full year course, required for grade 10)

### 1101 AP UNITED STATES HISTORY II

Advanced Placement

(1 credit)

This course is the second year of the two year sequence in Advanced Placement United States History and is designed to prepare students to take the Advanced Placement United States History Examination in May of the second year. Advanced Placement United States History II will cover the major political, economic, religious, social, intellectual and artistic themes from 1877 to the present. Students will learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship.

Prerequisite: Maintain a 75% average in Course# 1100 US History I AP/ or upon recommendation of teacher. Summer work may be required for AP classes. Students are expected to take the Advanced Placement Test.

(Full year course, grade 11, required to take AP United States History Examination)

### 1130 UNITED STATES HISTORY II

Honors

(1 credit)

This is an intensive course designed for the highly motivated student who wishes to develop an in depth understanding of American society and culture in the late nineteenth and twentieth century. The course traces the development of the United States of America from 1877 to the present. Emphasis is placed on research, critical thinking, open ended questions, and independent learning.

Prerequisite: Maintain a 75% average or better at this level or upon recommendation of teacher

(Full year course, required course for grade 11)

### 1132 UNITED STATES HISTORY II

College Prep

(1 credit)

This course is a survey of the United States history from 1877 to the present. The course fulfills all requirements for those students interested in attending a four year college. Emphasis is placed on developing reading, writing, discussion, and thinking skills.

Prerequisite: Successful completion of United State History I

(Full year course, required course for grade 11)

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## FULL YEAR ELECTIVES

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### 1102 AP MODERN EUROPEAN HISTORY

Advanced Placement

(1 credit)

This course is designed to prepare students to take the Advanced Placement Examination in European History in May. It emphasizes historically significant events in European history from 1450 to the present. To allow for a multifaceted understanding of these events students will explore the past from intellectual, cultural, political, diplomatic, social and economic viewpoints. In an effort to instill historical habits of mind, the course will stress: the analysis and interpretation of primary sources, the analysis and assessment of historiography, and the development of cogent analytical and interpretive writing.

Prerequisite: Recommendation based on grades, portfolio, and possible interview. Summer work may be required for AP classes.

Students are expected to take the Advanced Placement Test.

(Full year course, open to grade 11, 12 only)

### 1103 AP PSYCHOLOGY

Advanced Placement

(1 credit)

This course is designed to prepare students to take the Advanced Placement Examination in Psychology by introducing them to the scientific study of human behavior and mental processes. To accomplish this, the course provides instruction in each of the following content areas: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology. Students will learn to think like psychologists as they seek to “restrain intuition with critical thinking, judgmentalism with compassion, and illusion with understanding” (Sternberg, 1997)

Prerequisite: Recommendation based on grades, portfolio, and possible interview. Summer work may be required for AP classes.

Students are expected to take the Advanced Placement Test.

(Full year course, open to grade 11, 12 only)

## HISTORY AND SOCIAL SCIENCE EDUCATION (CONTINUED)

### **1104 AP UNITED STATES GOVERNMENT & POLITICS** Advanced Placement (1 credit)

This course is designed to prepare students to take the Advanced Placement Examination in United States Government and Politics in May. It will provide students with the analytical skills and knowledge to deal critically with the major issues of the political arena. The course will stress the founding fathers of the United States and the dramatic governance documents they created.

Prerequisite: Recommendation based on grades, portfolio, and possible interview. Summer work may be required for AP classes.

Students are expected to take the Advanced Placement Test.

(Full year course, open to grade 11, 12 only)

### **1150 PSYCHOLOGY AND SOCIOLOGY** Honors (1 credit)

This course, an introduction to the scientific study of human behavior and human societies. Topics will include scientific and research methods, biological basis of behavior, dreams, mental disorders, social psychology, social class, race and ethnicity, marriage and family, crime and social conflict. The course will introduce students to a social-behavioral approach to human behavior to culture. Emphasis is placed on research, open ended questions and critical and independent thinking.

Prerequisite: Grade of 75% or better in previous Honors level Social Studies course or by recommendation of teacher

(Full semester course, open to grade 12)

### **1151 PSYCHOLOGY AND SOCIOLOGY** College Prep (1 credit)

This course, an introduction to the scientific study of human behavior and human societies. Topics will include scientific and research methods, biological basis of behavior, dreams, mental disorders, social psychology, social class, race and ethnicity, marriage and family, crime and social conflict. The course will introduce students to a social-behavioral approach to culture.

(Full Year course, open to grade 12 only)

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## HALF YEAR ELECTIVES

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### **1140 CIVIC AND CULTURAL LITERACY I** Honors (.5 credit)

This course is designed for highly motivated students who wish to explore current affairs in depth at the international, national, state, and local levels. It will focus on building the necessary skills to promote an understanding of the local and global implications of civic decisions. It will encourage students to think analytically about the nature of citizenship, government, and social relations in the United States as well as developing critical skills needed in order to understand the cultures we inhabit. Topics will range from terrorism, the media, gender, and race, front page headlines, to other issues of significance to high school students. Class format will include a multi-media approach focusing on debate, critical thinking, and independent research.

Prerequisite: Grade of 75% or better in previous Honors level Social Studies course or by recommendation of teacher

(Semester course open to grades 10, 11, 12)

### **1142 CIVIC AND CULTURAL LITERACY I** College Prep (.5 credit)

This course will explore current affairs in depth at the international, national, state, and local levels. It will focus on building the necessary skills to promote an understanding of the local and global implications of civic decisions. It will encourage students to think analytically about the nature of citizenship, government, and social relations in the United States as well as developing critical skills needed in order to understand the cultures we inhabit. Topics will range from terrorism, the media, gender, and race, front page headlines, to other issues of significance to high school students. Class format will include a multi-media approach focusing on debate, critical thinking, and independent research.

(Semester course, open to grades 10, 11, 12)

### **1143 CIVIC AND CULTURAL LITERACY II** Honors (.5 credit)

This course is designed for highly motivated students who wish to continue their studies in civic and cultural literacy. It will continue to explore current affairs in depth at the international, national, state, and local levels. Students will utilize the skills learned during the preceding course and apply them while analyzing contemporary issues. Students will not be allowed to enroll in parts I and II of this course simultaneously. Topics will range from terrorism, the media, gender, and race, front page headlines, to other issues of significance to high school students. Class format will include a multi-media approach focusing on debate, critical thinking, and independent research.

Prerequisite: For honors credit, a grade of 75% or better in Honors CIVIC AND CULTURAL LITERACY I, or a grade of 85% or better in College Prep CIVIC AND CULTURAL LITERACY I

(Second Semester course, open to grades 10, 11, 12)

### **1145 LEGAL STUDIES I** Honors (.5 credit)

This course is designed as an introduction to constitutional, criminal and civil law, which will include an examination of the judicial system, as well as, criminal and civil laws. The course allows students to understand and examine their rights and responsibilities under the law. Students will use case studies, independent research, and current legal issues in the media today.

Prerequisite: Grade of 75% or better in previous Honors level Social Studies course or by recommendation of teacher

(Semester course, open to grades 10, 11, and 12)

## HISTORY AND SOCIAL SCIENCE EDUCATION (CONTINUED)

### 1146 LEGAL STUDIES I

College Prep

(.5 credit)

This course is designed as an introduction to constitutional, criminal and civil law, which will include an examination of the judicial system, as well as criminal and civil laws. The course allows students to understand and examine their rights and responsibilities under the law. Students will use case studies, independent research, and current legal issues in the media today.

(Semester course, open to grades 10, 11, and 12)

### 1147(H) / 1148(CP) LEGAL STUDIES II

Honors/College Prep

(.5 credit)

This course is designed for the student who would like to further their study of concepts covered in Legal Studies I, as well as, other legal topics. A more in depth look at criminal and civil law will be included. The course will also study contracts, consumer, rental, credit and housing law. Accelerated assignments are given to students requesting honors credit.

Prerequisite: For Honors credit, a grade of 75% or better in Legal Studies I For College Prep credit, successful completion of Legal Studies I

(Semester course, open to grades 11 and 12)

### 1158(H) / 1160(CP) BANKING AND FINANCIAL MANAGEMENT

Honors/College Prep

(.5 credit)

This course will introduce students to the basic principles of banking and finance and related economic components for business and personal use. South Shore Savings Bank, located within Weymouth High School, will provide a hands-on, laboratory experience for all participants. Classroom presentations by industry professionals are related events providing information in current activities in banking. Specific areas of study include: the History of American Banking, The Federal Reserve System, Account Ownership and Title, Checks and their Characteristics, Bank Operations, Information Technology in Banking, Bank Investments and Profitability Management, Consumer Lending, Mortgage Lending, Commercial Lending, Commercial Cash Management Services, Bank Marketing, Trust Services, Deposit Insurance and Life Insurance. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.

(Semester course, open to grades 10, 11, 12)

### 1162(H) / 1164(CP) WORLD WAR II

Honors/College Prep

(.5 credit)

This course examines the most devastating, destructive war in history and the concurrent emergence of the United States of America as the world's dominant power. Topics for discussion include the escalation of international tensions in the aftermath of World War I, the advent of atomic weaponry, the Holocaust, and military targeting of civilian cities. Written primary and secondary sources, video footage, and student research will be used to study the conflagration from a global perspective that incorporates the points of view of all major combatant nations. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.

(Semester course, open to grades 10, 11, 12)

### 1166(H) / 1167(CP) COMMUNITY SERVICE LEARNING (CSL)

Honors/College Prep

(.5 credit)

Community Service Learning is a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience. Students will work together to conduct research, connect community service to the curriculum, build connections within the community, and create community service projects.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.

(Semester course, open to grade 12, first quarter graded pass/fail)

### 1168(H) / 1169(CP) AMERICAN CIVIL WAR

Honors/College Prep

(.5 credit)

This course examines that most pivotal and tragic period in the history of the United States; the Civil War. Topics include the causes of the war, slavery, military and political leaders, important battles and campaigns, and the short and long term effects on the nation and its warring states. Accelerated assignments and differentiated grading are given to those students requesting honors or college prep credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.

(Semester course, open to grades 10, 11, 12)

### 1170(H) / 1171(CP) CULTURE AND CONFLICT: UNITED STATES

Honors/College Prep

(.5 credit)

This course explores how our culture has changed over the last forty years. The study of culture will examine the influence of religions, language, immigration, government, sports, geography, pop culture, music, food, traditions and festivals. As we review the many cultural differences in our states students will gain a better understanding of the diverse complexity of the United States. Military conflicts in Vietnam, Grenada, Panama, Somalia, Bosnia, Afghanistan, and Iraq will be studied. Class discussions, research projects, current events, and a frequent use of movies and documentaries will enhance learning and tolerance of issues and problems. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.

(Semester course, open to grades 11, 12)

## HISTORY AND SOCIAL SCIENCE EDUCATION (CONTINUED)

### 1172(H) / 1173(CP) POLITICAL AFFAIRS

Honors/College Prep (.5 credit)

This semester course will examine the structure of government in the United States. Political affairs at the local, state, and federal level will be examined with emphasis placed on the process of how government functions. On site experiences, guest speakers, and critical thinking techniques will reinforce the democratic principles learned in the classroom. The course will be a hands-on experience, using media, field trips, simulations, and guest speakers. Accelerated assignments and differentiated grading are given to these students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.  
(Semester course open to grades 10, 11 and 12)

### 1174(H) / 1176(CP) PRINCIPLES OF ECONOMICS

Honors/College Prep (.5 credit)

This course provides students with a comprehensive examination of economic principles and processes. Particular emphasis will be placed on the role of the American economy in the global economy. This course is strongly recommended for those considering a college major in business or economics. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.  
(Semester course open to grades 10, 11 and 12)

### 1154(H) / 1156(CP) HUMAN GEOGRAPHY

Honors/College Prep (.5 credit)

This course introduces students to the basic concepts of human geography and provides a geographic framework for the analysis of current world problems through the use of case studies. The course develops the students' ability to ask geographic questions; acquire, organize and analyze geographic information; and answer geographic questions. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

(Semester course open to grades 10, 11, and 12)

### 1178(H) / 1179(CP) WORLD RELIGIONS

Honors/College Prep (.5 credit)

Students will receive in-depth knowledge of the world's major religious beliefs from both historical and socio-cultural perspectives. Students will study belief structures of the following major religions, in order of their inception: Hinduism, Judaism, Buddhism, Taoism, Zoroastrianism, Christianity (Catholicism, Protestantism, and Orthodoxy), and Islam (Sunni and Shiite). The course is designed to give students a better understanding of the multiple religious groups that inhabit the world today, not only in the United States of America, but throughout the world. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.  
(Semester course, open to grades 11 and 12)

### 1186(H) / 1187(CP) CULTURE AND CONFLICT: THE EASTERN WORLD

Honors/College Prep (.5 credit)

This course explores different world cultures in the Eastern Hemisphere and how conflicts in the last forty years have changed those cultures. The study of culture will examine the influence of religions, language, government, geography, music, food, migrations, traditions and festivals. Countries covered will include Australia, New Zealand, Japan, North and South Korea, Mongolia, China, Tibet, Bhutan, Nepal, Burma, Thailand, Vietnam, Philippines, Sri Lanka, India, Pakistan, Afghanistan, Russia (Siberia and Asian regions), Iran, Iraq, Israel, Palestine, Turkey, and Armenia. Class discussions, research projects, current events, and a frequent use of movies and documentaries will be employed to enhance learning and tolerance of issues and world problems. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.  
(Semester course, open to grades 11 and 12)

### 1188(H) / 1189(CP) CULTURE AND CONFLICT: THE WESTERN WORLD

Honors/College Prep (.5 credit)

This course explores different world cultures in the Western Hemisphere and how conflicts in the last forty years have changed those cultures. The study of culture will examine the influence of religions, language, government, geography, music, food, traditions and festivals. We will start by examining the continent of Africa with its many diverse and unique cultures, then South America, Central America, Canada, United Kingdom, Scandinavia, Russia, France, Spain, Germany, Eastern Europe and the Balkans will be studied. Class discussions, research projects, current events, and a frequent use of movies and documentaries will enhance learning and tolerance of issues and world problems. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.  
(Semester course open to grades 11 and 12)

### 1152 PSYCHOLOGY AS A SCIENCE I

Honors (.5 credit)

This course is designed for students pursuing the medical or psychology or counseling career pathway. The course offers a general introduction to the scientific study of human behavior. Scientific research methods will be utilized to examine the nervous system, sensation, perception, learning and consciousness. Emphasis is placed on research, open ended questions and critical and independent thinking. This course will provide the necessary foundation for the sequential course – Psychology as a Science II.

Prerequisite: For Honors credit, maintain a 75% average or better at this level or upon recommendation of teacher.  
(Semester course, open to grade 11 only)

## HISTORY AND SOCIAL SCIENCE EDUCATION (CONTINUED)

### 1153 PSYCHOLOGY AS A SCIENCE I

College Prep

(.5 credit)

This course is designed for students pursuing the medical or psychology or counseling career pathway. The course offers a general introduction to the scientific study of human behavior. Scientific research methods will be utilized to examine the nervous system, sensation, perception, learning and consciousness. This course will provide the necessary foundation for the sequential course – Psychology as a Science II.

(Semester course, open to grade 11 only)

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## MATHEMATICS DEPARTMENT

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The philosophy of the Mathematics Department is to ensure that all students have the opportunity to acquire the mathematics education that is commensurate with their needs and abilities. The department has established the following program designed to enable students to realize their full potential and meet their particular needs while providing the proper background for future educational and occupational goals. All students are required to pass 3 credits in mathematics as a graduation requirement.

The Mathematics Department offers courses at several instructional levels. Please note that all the course levels offered are college preparatory, cover the essential common core curriculum, and are aligned to the MA Mathematics Curriculum Frameworks (2000).

### 1610 ALGEBRA I

Honors

(1 credit)

Algebra I is the essential foundation for all following successive mathematics courses. Algebraic concepts are introduced through an examination of the structure and the techniques of algebra. Topics studied include: patterns and relations, operations in algebra, solving equations, proportional reasoning, linear functions, inequalities and absolute value, systems of equations and inequalities, inverse and direct variation, exponents and exponential functions, polynomials and factoring, quadratic and rational functions, radicals, and transformations. Probability, statistics, geometry, mathematical modeling, and the use of technology are integrated throughout the course.

Prerequisite: Departmental approval.

(Full year course)

### 1611 ALGEBRA I A / B

College Prep

(1 credit)

Algebra I is the essential foundation for all following successive mathematics courses. Algebraic concepts are introduced through an examination of the structure and the techniques of algebra. Topics studied include: patterns and relations, operations in algebra, solving equations, proportional reasoning, linear functions, inequalities and absolute value, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic and rational functions, radicals, and transformations. Probability, statistics, geometry, and the use of technology are integrated throughout the course.

(Full year course, students must successfully complete semester 1 Algebra I A to proceed to semester 2 Algebra I B)

### 1616 GEOMETRY

Honors

(1 credit)

This course includes the study of plane, solid, and coordinate geometry. Much attention is given to proving theorems and developing logical thinking. This course will include open-ended response assessments with an emphasis on critical thinking skills in preparation for the MCAS exam administered in the sophomore year.

Prerequisite: Grade of 75% or better in Algebra I, passing score on Algebra I exit exam, and teacher approval

(Full year course)

### 1617 / 1627 GEOMETRY9/GEOMETRY

College Prep

(1 credit)

This course includes the study of plane, solid, and coordinate geometry with the emphasis on reading and writing using appropriate mathematical language. The concept of proof will be developed and algebra concepts will be continually reinforced. This course will include open-ended response assessments with an emphasis on critical thinking in preparation for the MCAS exam administered in the sophomore year.

Prerequisite: Successful completion of Algebra 1 and passing score on Algebra I exit

(Full year course)

**MATHEMATICS (CONTINUED)****1630 ALGEBRA II**

Honors

(1 credit)

This course is a rigorous treatment of advanced algebra concepts. Topics include matrices, exponential and logarithmic functions, complex numbers, sequences and series, and probability and statistics. Each unit provides problem solving strategies to encourage critical thinking skills. A graphing calculator is required. This course will include open-response assessments in preparation for the MCAS exam administered in the sophomore year.

Prerequisite: Grade of 75% or better in Geometry passing score on an Algebra I exit exam

(Full year course)

**1631 ALGEBRA II A / B**

College Prep

(1 credit)

This course will include a thorough study of functions, sequences, variations, and related graphing. Also presented will be linear combinations, matrices, systems of equations, and quadratic expressions. Other topics covered will be imaginary numbers, exponential functions, radicals, logarithms, and polynomials. The students are strongly encouraged to obtain a graphing calculator.

Prerequisite: Successful completion of a Geometry and Algebra I course, or teacher recommendation

(Full year course, students must successfully complete semester 1 Algebra I A to proceed to semester 2 Algebra I B)

**1636 ALGEBRA II EXTENDED - PART I**

College Prep

(.5 credits)

This rigorous course will include a thorough study of the first half of the Algebra II CP curriculum presented at a pace that allows students more time to process the content, obtain support, and master the skills. However, because only one half of the curriculum will be included in this course, a student will only earn 0.5 credits towards the required three math credits needed for graduation. Students will receive an additional 0.5 credits applied to elective credits to reflect the remaining time spent in a full year course.

Prerequisite: Successful completion of Algebra I

(Full Year, Open to students in grades 10 or 11, who would prefer extended time to complete this challenging course. This course will be appropriate for students who have successfully completed Algebra I)

**1637 ALGEBRA II EXTENDED - PART II**

College Prep

(.5 credits)

*Offered beginning in September of 2011*

This course is a continuation of Algebra II Extended - Part I. This rigorous course will include a thorough study of the second half of the Algebra II CP curriculum presented at a pace that allows students more time to process the content, obtain support, and master the skills. However, because only one half of the curriculum will be included in this course, a student will only earn 0.5 credits applied to the required three math credits needed for graduation. Students will receive an additional 0.5 credits applied to elective credits to reflect the remaining time spent in a full year course.

Prerequisite: Successful completion of Algebra II Extended - Part I

(Full Year, Open to students in grades 11, or 12 who would prefer extended time to complete this challenging course.)

**1638 ADVANCED MATH/TRIGONOMETRY**

College Prep

(1 credit)

This course includes a review of selected topics from Algebra II as well as exploration of conic sections, exponential and logarithmic functions, sequences and series, and topics in probability and statistics. Trigonometry will be introduced with concepts stressed through practical applications. Calculator skills are taught and utilized throughout the course.

Prerequisite: Successful completion of Algebra II or departmental approval

(Full year course)

**1639 EXPLORING ALGEBRA II/TRIGONOMETRY**

College Prep

(1 credit)

This course progresses at a deliberate pace that allows for skill development and reinforcement of concepts. It is designed to support the learning of students who may not have fully retained the skills and concepts covered in prior courses which will be reviewed when needed in the course. Mathematical concepts tend to be introduced at a concrete level and developed with an increasing level of abstraction. This course includes a review of fundamental algebra skills. Topics include functions and graphing, solving systems of equations and inequalities, quadratics, exponential functions, and radicals as well as an application-focused introduction to trigonometry.

Prerequisite: Successful completion of Algebra II

(Full year course)

**1640 PRECALCULUS**

Honors

(1 credit)

The first semester is devoted to a thorough treatment of trigonometry and complex numbers in polar form. In the second semester the concepts of limit and differential calculus are developed.

Prerequisite: Grade of 75% or better in Algebra II (Honors), or departmental approval.

(Full year course)

**1642 PRECALCULUS**

College Prep

(1 credit)

This course is a preparation for college calculus. The topics of trigonometry are discussed extensively with an emphasis on applications. The concepts of limit and differential calculus are developed with applications stressed rather than theory.

Prerequisite: Successful completion of Course #1630 Algebra II Honors, or Course #1651 Advanced Math/Trig, or departmental approval. (Full year course, open to grades 11 and 12)

## MATHEMATICS (CONTINUED)

### 1645 TOPICS IN MATH

College Prep

(1 credit)

This course leads to a robust understanding of mathematical concepts, principles, and techniques through student-centered investigations in the context of realistic problems and applications. Students will strengthen their mathematical background in fundamental concepts and skills in algebra and functions, geometry and trigonometry, statistics and probability, and discrete mathematics.

Prerequisite: Successful completion of Exploring Algebra II/Trig or Advanced Math/Trig

(Full year course)

### 1603 AP STATISTICS

Advanced Placement

(1 credit)

This college level course provides a rigorous and extensive treatment of statistics. The content consists of those topics as prescribed in the “Guide to the Advanced Placement Statistics Test” administered by the College Board.

Prerequisite: Successful completion of Algebra II (Honors) and department approval. Students are expected to take the Advanced Placement Test.

(Full year course)

### 1643 STATISTICS

College Prep

(1 credit)

This course provides students with a conceptual understanding of statistics through active learning while the students use technology to analyze and interpret genuine data. The topics covered include data collection and analysis, measures of central tendency and standard deviation, correlations, random behavior and statistical inferences. This course also stresses the importance of students’ communication skills through reading, writing, and discussion.

Prerequisite: Successful completion of Advanced Mathematics/ Trig (College Prep) or departmental approval

(Full year course)

### 1600 AP CALCULUS BC

Advanced Placement

(1 credit)

This college level course provides a rigorous and extensive treatment of calculus. The content consists of those topics as prescribed in the “Guide to the Advanced Placement BC Calculus Test” administered by the College Board.

Prerequisite: Department approval. Students are expected to take the Advanced Placement Test.

(Full year course, open to grade 12)

### 1602 AP CALCULUS AB

Advanced Placement

(1 credit)

This college level course provides a rigorous and extensive treatment of calculus. The content consists of those topics as prescribed in the “Guide to the Advanced Placement AB Calculus Test” administered by the College Board.

Prerequisite: Department approval. Students are expected to take the Advanced Placement Test.

(Full year course, open to grade 12)

### 1604 CALCULUS

Honors

(1 credit)

This course is a college level calculus course. The content is similar to that described by the College Board; however, the topics are not covered in the same depth as in the advanced placement course. The emphasis is more on the application of principles rather than on theory.

Prerequisite: Successful completion of Pre-Calculus Honors with a grade of 75% or better or departmental approval.

(Full year course)

### 1650(H) / 1651(CP) JAVA PROGRAMMING I

Honors/College Prep

(.5 credit)

This course is designed to introduce students to the fundamental concepts of computer programming using JAVA. Topics developed include algorithm and program design, modifying classes, data types, flow of control, top down design using functions, and testing and debugging of programs. The Honors student will be held to a more rigorous standard, completing more programs with greater depth. The Honors students will also be expected to work independently at most times.

Honors prerequisite: Grade of 75% or better in a full year Algebra course or departmental approval

College Prep prerequisite: Completion of a full year Algebra course or departmental approval

(First Semester course open to grades 10, 11, 12)

### 1652(H) / 1653(CP) JAVA PROGRAMMING II

Honors/ College Prep

(.5 credit)

This course is an extension of JAVA Computer Programming I. Advanced programming techniques will be taught including use of files, more flow of control options, strings and abstract classes. The Honors student will be held to a more rigorous standard, completing more programs with greater depth. The Honors student will also be expected to work independently at most times.

Honors prerequisite: Successful completion of JAVA Programming I (Honors)

College Prep prerequisite: Successful completion of JAVA Programming I (College Prep)

(Second Semester course open to grades 10, 11, 12)

## MATHEMATICS (CONTINUED)

### 1605 AP COMPUTER SCIENCE

Advanced Placement (1 credit)

This advanced placement course provides a rigorous study of programming techniques using JAVA. Topics will include public classes, inheritance hierarchies, designing subclasses, designing abstract classes and interfaces, package concept, exception concept, and wrapper classes. The content will be as prescribed in the "Guide to the Advanced Placement Computer Science" administered by the College Board.

Prerequisite: Successful completion of JAVA Programming II (Honors) and departmental approval. Students are expected to take the Advanced Placement Test.

(Full year course)

### 1655 COMPUTER GRAPHICS

College Prep (.5 credit)

This course is designed to introduce students to the fundamentals of computer graphics including 2-D drawings, simple interactive 2-D graphics, 3-D modeling and simple animation using the JAVA languages.

Prerequisite: Successful completion of JAVA Programming I or a comparable programming course.

(Semester course)

### 1663 MATHEMATICS WITH THE GRAPHING CALCULATOR

College Prep (.25 credit)

This course will review basic algebra, geometry and statistics using the graphing calculator (TI-83+). Students will be taught how to use the graphing calculator to solve a variety of problems. In addition, students will learn how to develop simple programs for the graphing calculator. *This course does not meet the mathematics requirement for graduation.*

Prerequisite: Algebra I, Geometry and departmental approval.

(Quarter Course)

### 1664 PREPARATION FOR THE COLLEGE EXPERIENCE-MATH

College Prep (.25 credit)

This course is designed for students who wish to prepare for the mathematics SAT, ACT, and college placement exams. Students are given practice tests to acquaint them with the format of the college boards and they will study a variety of test taking techniques. The topics to be covered will be a review of algebra and geometry.

(Quarter course, open to all students)

### 1676 STRATEGIES FOR SUCCESS: MATH

Un-leveled (.5 credit)

This course provides a review of topics found in the five strands of the Massachusetts Curriculum Framework. Students will analyze open response questions and write appropriate solutions. Diagnostic software will be used to identify weaknesses and strengths as well as to track student progress. The focus is on both MCAS preparation and MCAS remediation with emphasis on test taking strategies and content specific weaknesses. This course is required for all students who received a score of 220 or less on the Mathematics MCAS test in grade 8. *This course does not meet the mathematics requirement for graduation.*

(Full year course, meeting three times in a seven day cycle)

### 1618(3x) / 1619(7x) MATH LAB

Un-leveled (.5 - 1 credit)

Math Lab is a full year course, meeting either three times in a seven day cycle or seven times in a seven day cycle. Math Lab is a class designed to help students develop a strong foundation in mathematical principles, concepts, and computations. Students in this class are given skills and strategies to help them develop competency in a number of mathematic arenas as outlined in the Massachusetts Mathematics Frameworks. Students may be assigned to the Math Lab by teacher recommendation. *This course does not fulfill any Math requirement for graduation.*

(Full year course, meeting three or seven times in a seven day cycle, open to grades 9, 10, 11, 12)

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## MUSIC DEPARTMENT

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Music expresses the highest values of a culture. It provides the means for expressing thoughts and feelings through performance and composition. Music is a creative art through which all people can enrich their lives, both by self-expression and response to the expression of others. Music teaches critical thinking skills important in today's workplace: self-discipline, teamwork, problem-solving skills, self-esteem, and self expression. The Music Department offers a variety of courses designed for students with varying degrees of interest and talent. Included are courses which any student may elect regardless of music background, as well as courses for the more advanced student.

### 2310(H) / 2312(CP) BAND

Honors/ College Prep (1 credit)

Band is offered for students with prior experience on a band instrument who have attained the level of proficiency necessary to read band literature. Students will have the opportunity to improve playing techniques and music reading abilities through the study and performance of a wide variety of band music. Both in school and out of school performances are scheduled during the year, as well as occasional special rehearsals for which attendance is required. While emphasis is placed on cooperative effort, daily home practice is expected. Accelerated assignments and differentiated grading are given to those students requesting honors credit.

Prerequisite: Prior instrumental experience (Full year course open to grades 9, 10, 11, 12)

## MUSIC DEPARTMENT (CONTINUED)

### **2320(H) / 2321(CP) CONCERT CHOIR** Honors/ College Prep (1 credit)

This course offers students the opportunity to refine their singing skills through an emphasis on proper vocal techniques, sight reading, ensemble singing and performing. Repertoire will include, but is not limited to the following genre: madrigals, classical, folk, multicultural, jazz, contemporary and musical theater. Daily practice will be expected in order to improve skills. Students will also have the opportunity to audition for the Southeastern District Senior Festival Chorus. Enhanced assignments are required for Honors credit. (Full year course open to grades 9, 10, 11, 12)

### **2330(H) / 2332(CP) ADVANCED CHORAL STUDY: POP & JAZZ CHOIR** Honors/ College Prep (.5 credit)

This course is split into two explorations of choral performance. The first exploration looks at today's pop hits and demonstrates how the choral style of arrangement can create an enduring and powerful re-imagining of today's popular music. In the second exploration, Jazz, singers will be performing vocal jazz music, with an emphasis on sight reading and ensemble performance. Students will learn a variety of jazz music, both unaccompanied and accompanied. Students will also improve their creative musical skills by learning how to vocally improvise (scatting).

Prerequisite: 75% or better in Concert Choir or departmental approval

This choir will perform a minimum of one concert per semester.

(Semester course open to grades 10, 11, 12)

### **2338(H) / 2340(CP) SELECT ENSEMBLE** Honors/ College Prep (1 credit)

Students will discover the world of ensemble music through listening, rehearsing and performing in an ensemble setting. This course will reinforce student's creativity through musical skills such as improvisation. Jazz vocals will also be discussed and performed. Participation in the winter and spring concerts is mandatory.

Prerequisite: Prior instrumental experience or departmental approval

(Full year course, open to grades 10, 11, 12)

### **2343 GUITAR I** College Prep (.25 credit)

This course is designed for beginning guitar students. The course will consist of group and individual instruction in basic guitar skills with an emphasis on learning to read music. No prior music experience is required. *Students must supply their own instrument for this class.* There is no performance requirement, but opportunities for group or individual performance at school concerts will be available and encouraged.

(Quarter Course, open to grades 9, 10, 11, 12)

### **2344 GUITAR II** College Prep (.25 credit)

This course is offered for students who want to advance their guitar skills. Sight reading, scales and fingering techniques are just some of the topics the course will cover. Students will learn in an ensemble setting, while improving their own individual skills. *Students must supply their own instrument for this class.* There is no performance requirement, but opportunities for group or individual performance at school concerts will be available and encouraged.

Prerequisites: Grade of 75% or better in Guitar I or departmental approval.

(Quarter Course, open to grades 10, 11, 12)

### **2345 PERCUSSION** College Prep (.25 credit)

This course is designed to introduce students to the fundamentals of percussion performance. Topics and activities will include basic techniques of stick control and hands on instruction with many different kinds of percussion instruments such as snare, timpani, mallet percussion, and accessories. There is no prior drumming experience required. There is no performance requirement.

(Semester course, open to grades 9, 10, 11, 12)

### **2346 PIANO I** College Prep (.25 credit)

This course will consist of group and individual instruction in basic piano skills with an emphasis on learning to read music. No prior music experience is required. Students will *not* need to supply their own instrument for this class. There is no performance requirement, but opportunities for group or individual performance at school concerts will be available and encouraged.

(Quarter Course, open to grades 9, 10, 11, 12)

### **2347 PIANO II** College Prep (.25 credit)

This course is designed for students who want to advance their piano skills. Students will learn intermediate pieces, improve their sight reading skills and work in advanced music theory. Students will *not* need to supply their own instrument for this class. There is no performance requirement, but opportunities for group or individual performance at school concerts will be available and encouraged.

Prerequisite: Successful completion of Piano I or departmental approval

(Quarter Course, open to grades 10, 11, 12)

## MUSIC DEPARTMENT (CONTINUED)

**2315 FUNDAMENTALS OF MUSIC TECHNOLOGY I** College Prep (.5 credit)  
This course is designed to introduce students to the basic use of music technology. Students will learn basic musical terms and musical notation while producing, creating, arranging, publishing, and recording music.  
(Semester course, open to grades 9, 10, 11, 12)

**2322(H) / 2323(CP) FUNDAMENTALS OF MUSIC TECHNOLOGY II** Honors / College Prep (.5 credit)  
This course is a continuation of Fundamentals of Music Technology I. Students will explore more intricate musical composition, such as expanded harmony, chord progression and inversion. Topics will emphasize various musical styles, including 12 bar blues and modern compositional techniques.  
Prerequisite: Successful completion of Fundamentals of Music Technology I or departmental approval.  
(Semester course open to grades 10, 11, 12)

**2317 MUSIC THEORY I** College Prep (.5 credit)  
This course will focus on the basics of music theory in which students will study musical notation, rhythm, scales, harmony and ear training. An introduction to basic piano skills will also be featured.  
Prerequisite: Prior musical experience recommended, but not required.  
(Semester course, open to grades 10, 11, 12)

**2318(H) / 2319(CP) MUSIC THEORY II/ COMPOSITION** Honors/ College Prep (.5 credit)  
This course continues the study of music theory with an emphasis on song writing and composition. Students will use computer software to create original works of music, while improving their skills on the piano. Enhanced assignments are required for Honors credit.  
Prerequisite: Successful completion of Music Theory I or departmental approval  
(Second Semester course, open to grades 10, 11, 12)

**2300 AP MUSIC THEORY** Advanced Placement (1 credit)  
The content of this course is based on the recommendations of the College Board for the AP Music Theory course. It is a rigorous course for the highly motivated music student and it has been designed to help students prepare for the AP Music Theory test. Topics include an advanced study of score analysis, advanced ear training, orchestration, and counterpoint with relation to composition.  
Prerequisite: Students must attain a grade of 75% or better in Music Theory I & Music Theory II or departmental approval. Students are expected to take the Advanced Placement Test.  
(Full year course, open to grade 12)

**2325 CAREERS IN MUSIC** College Prep (.5 credit)  
Students will explore career in music through hands on learning, music technology, music reading and field research. Guest speakers and field trips will provide 21<sup>st</sup> century experience to students considering a career in music.  
(Semester course open to grades 10, 11, 12)

**2326 INSTRUMENTAL TECHNIQUES** College Prep (1 credit)  
This is a course designed for students who have previously taken private lessons on guitar, piano, or percussion who would like to attain a portion of the ensemble experience required within the fine arts academy. It is recommended for students looking to apply their knowledge from a guitar basics, piano basics or percussion basics class in an ensemble setting. Students will be arranged into groups based on musical taste and ability. A variety of musical genres, styles, and techniques will be offered to improve student's ability to play well with others. Music reading, notating, improvising and creating will be required for success. Regular home practice is also required.  
Prerequisite: Previous instrumental experience  
(Semester course open to grades 10-12)

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## SCIENCE DEPARTMENT

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An educated person must have a foundation in the sciences. In this academic area students will learn more than basic knowledge about this relevant and fascinating discipline. The skills developed through scientific study and reasoning will be of life-long value. In our ever advancing, global, hi-tech society, this study is more than an asset. It is a necessity.

Note: All students must pass two science courses with laboratory for admission to the Massachusetts State Colleges and Universities. These courses are designated in their descriptions as "Laboratory Science."

## SCIENCE (CONTINUED)

### 1710 INTEGRATED SCIENCE

Honors

(1 credit)

Laboratory Science

This course is designed for the most able freshmen. This course is similar to the college prep Integrated Science course, but it moves at an accelerated pace and involves more in-depth study. Classroom investigations will develop the students' understanding of the basic concepts of chemistry and biology. This course will provide the necessary, foundation for the sequential courses in biology and chemistry. Emphasis will be placed on reading, writing, problem solving and critical thinking.

Prerequisite Successful completion of grade 8 science with a grade of C or better

(Full year course, open to grade 9)

### 1712 INTEGRATED SCIENCE

College Prep

(1 credit)

Laboratory Science

This course is an introduction to chemistry and biology. Classroom investigations will develop the students' understanding of the basic concepts of chemistry and biology. This course will provide the necessary foundation for the sequential courses in biology and chemistry. Emphasis will be placed on reading, writing, problem solving and critical thinking.

(Full year course, open to grade 9)

### 1715 BIOLOGY (9)

Honors

(1 credit)

Laboratory Science

This course is a detailed study of living things from biochemical compounds to complex vertebrates. Topics include organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA science, genetics, heredity, ecosystems and animal phyla from the simplest form to human. The animal phylum focuses on comparative anatomy, physiology and the evolution of animals. Laboratory experiences include dissections of preserved specimens, investigation, design and interpretation of data. This course is accelerated and assumes students have already grasped skills in the foundation of life science, lab procedures and scientific reasoning. Students must have excellent reading skills and be able to study independently. Essays and critical thinking problems will be included in exams. Team problem solving and modeling are an integral part of instruction. Basic Physical Science concepts are integrated into the curriculum. This course is for students who are strongly interested in science. **This course serves as the foundation for an accelerated science program that culminates with the potential to enroll in AP Physics grade 12.** These students will be taking the MCAS test in biology at the end of the course. Passing this MCAS test will fulfill the graduation requirement.

Prerequisite: Grade of A in eighth grade science

(Full year course, open to grade 9)

### 1720 BIOLOGY

Honors

(1 credit)

Laboratory Science

This course is a detailed study of living things from biochemical compounds to complex vertebrates. Topics include organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA science, genetics, heredity, ecosystems, evolutions and biodiversity. Students will investigate the interrelationship among the human body systems while maintaining homeostasis at the cellular level. Laboratory experiences include dissection of preserved specimens, investigation, design and analysis and interpretation of data. This course is accelerated and assumes students have already grasped skills in the foundation of life science, lab procedures, and scientific reasoning. Students must have excellent reading skills and be able to study independently. Essays will be a part of exams. Team problem solving and modeling are also used. This course is designed to satisfy the requirements of the biology grade 10 subject specific MCAS test.

Prerequisite: Grade of 75% or better in Honors Integrated Science, or an 85% or better in College Prep Integrated Science, or department approval.

(Full year course open to grades 10, 11 and 12)

### 1722 BIOLOGY

College prep

(1 credit)

Laboratory Science

College Prep Biology will cover the same topics as Biology 412 honors: organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA science, genetics, heredity, ecosystems, evolution and biodiversity. Students will investigate the interrelationship among the human body systems while maintaining homeostasis at the cellular level. Laboratory experiences include dissections of preserved specimens, investigation design and analysis and interpretation of data. The topics are covered in less depth and less independent work is expected than in an honors level class. This course is designed to satisfy the requirements of the Biology grade 10 subject specific MCAS test.

(Full year course, open to grades 10, 11, 12)

**SCIENCE DEPARTMENT (CONTINUED)****1702 AP BIOLOGY**

Advanced Placement

(1.2 credits)

Laboratory Science

This course is designed for talented students who are planning to major in one of the sciences in college, although not necessarily biology. AP Biology is designed to be a college level survey of biology encompassing a detailed study of living things from biochemical compounds to complex vertebrates. Topics include organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA sciences, genetics, heredity, ecosystems and animal phyla from the simplest form to human. Laboratory is an important element of this course

Prerequisite: A grade of 75% or better in Honors Biology, or an 85% in CP Biology and a 75% or better in Chemistry. Students are expected to take the Advanced Placement Test. Summer work may be required.

(Full year course, open to grades 11, 12)

**1703 AP CHEMISTRY**

Advanced Placement

(1.2 credit)

Laboratory Science

This course is designed to be the equivalent of a general chemistry class taken during the first year of college. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. This rigorous course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Particular emphasis will be placed on chemical calculations, the mathematical formulation of principles, and laboratory procedures. Topics include atomic theory and atomic structure, chemical bonding, nuclear chemistry, states of matter, solutions, types of reactions, stoichiometry, equilibrium, reaction kinetics, and thermodynamics.

Prerequisite: A grade of 85% or better in Chemistry and Algebra II. Students are expected to take the Advanced Placement Test. Summer work may be required.

(Full year course open to grades 11 and 12)

**1730 CHEMISTRY**

Honors

(1 credit)

Laboratory Science

Chemistry is the study of the composition of substances and the changes that substances undergo. This course is intended to provide an intense background for those students planning to attend highly competitive four-year colleges. Topics include atomic structure, naming compounds, moles, stoichiometry, types of chemical reactions, states of matter, gas laws, electron configurations, chemical periodicity, solutions, reaction rates, acids and bases, chemical bonding, oxidation-reduction reactions, and nuclear chemistry. This course is faster paced and covers topics in greater depth than the college prep class. Mathematical concepts, especially multi-step word problems that require students to use inventive approaches, are emphasized. Because of the quantity of material covered, much of the work must be completed outside of the classroom.

Prerequisite: Grade of 75% or better in Honors Biology or 85% or better in College Prep Biology. Students must be in an Honors level math course and departmental approval.

(Full year course, open to grades 10, 11, 12)

**1732 CHEMISTRY**

College prep

(1 credit)

Laboratory Science

This is the traditional college preparatory course that is aligned with the Massachusetts Learning Standards. Topics covered will be the same as those in the honors level. Students will use math concepts extensively in some topics and will be exposed to a variety of laboratory techniques.

Prerequisite: Successful completion of College Prep Biology and successful completion of Algebra I

(Full year course, open to grades 10, 11, 12)

**1700 AP PHYSICS**

Advanced Placement C Mechanics

(1.2 credit)

This college level course provides rigorous and extensive treatment of physics. The course will emphasize conceptual understanding of the main principles of Physics as well as problem solving methods including limited applications of calculus. Topics covered will include kinematics, dynamics, energy, rotational motion, gravity and oscillations.

Prerequisite: Concurrently enrolled or successfully completed AP Calculus or Honors Calculus and completion of Honors Physics. Students will be expected to take the Advanced Placement Test C Mechanics. Summer work may be required.

(Full year course, open to grade 11 or 12)

**1740 PHYSICS**

Honors

(1 credit)

Laboratory Science

This course is designed for those students with exceptional ability in science and mathematics. Honors Physics develops the conceptual understandings necessary for strengthening higher level thinking and reasoning skills required for solving problems related to the physical world. Physics principles in the areas of Newtonian mechanics, electricity and magnetism, waves and vibrations, light and optics are studied through reading assignments, lessons and demonstrations, problem solving, critical thinking activities, and discussions. In addition to traditional labs data sensing devices and laptop computers will be used for statistical and graphical analysis of experimental data. This course is for those students who are highly proficient in all areas of math and are seeking acceptance to a competitive four year college.

Prerequisite: Honors math sequence (Full year course, open to grades 11, 12)

**SCIENCE DEPARTMENT (CONTINUED)****1742 PHYSICS**

College Prep

(1 credit)

Laboratory Science

This college preparatory physics course develops the conceptual understanding of physics principles necessary for solving problems related to the physical world without the need for advanced mathematics. Physics principles in the areas of Newtonian mechanics, electricity and magnetism, waves and vibrations, and light and optics are studied through reading assignments, lessons and demonstrations, laboratory work, computer simulations, problem solving and critical thinking activities and discussions. This course is for those students who are proficient in algebra, geometry and trigonometry and are seeking acceptance to a standard four year college. (Full year course, open to grades 11, 12)

**1744 PHYSICS - PRINCIPLES OF TECHNOLOGY**

College Prep

(1 credit)

This course builds a firm foundation for understanding the modern technology of today and the technology of the future. It is not traditional physics because the emphasis is on the industrial application of concepts. This course is made up of units which deal with physical principles as they apply to four energy systems: mechanical, fluid, thermal and electrical. The seven technical concepts studied are: force, work, rate, resistance, energy, power and force transformers. Each concept studied includes reading assignment, videos, mathematical problem solving and project-based labs. The math content is determined by the physics content. Both metric and English units of measure are used. Laboratory equipment consists of analog and digital multimeters, oscilloscopes, function generators, thermal couples, motors, generators, strobe lights, water pumps, and other specialized industrial equipment. This course is for students with technical interests as well as students interested in either a two year college or technical school. It is also designed to enable students to function effectively in the workplace.

Prerequisite: Satisfactory completion of Algebra II or equivalent with a minimum grade of 75% and departmental approval.

(Full year course open to grade 11 or 12)

Offered September of odd years

**1746 CONCEPTUAL PHYSICS**

College Prep

(1 credit)

Laboratory Science

A unique college preparatory physics course that teaches physics concepts without the need for extensive mathematics. This course makes use of a three stage learning cycle of exploration, concept development, and concept application. Principles of force, motion, energy, electricity, magnetism, waves, vibrations, and light are developed and applied through reading assignments, lessons, demonstrations, laboratory work, computer simulations, problem solving, and critical thinking and discussions. Sports and real work applications of physics principles' will be explored. This course is for those students who have an understanding of algebra and geometry and are seeking acceptance to a standard 2-4 year college. This course is not designed to meet the Tech Prep requirements. (Full year course, open to grades 11, 12)

**1701 AP ENVIRONMENTAL SCIENCE**

Advanced Placement

(1.2 credit)

Laboratory Science

This course will provide students with the scientific principles, concepts, and methodologies required to understand the relationships of the natural world, to identify and analyze environmental problems both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Laboratory and field studies are an important element of the course and provide opportunities to test concepts and principles that are introduced in the classroom, explore specific problems with depth not easily achieved otherwise, and gain an awareness of the importance of confounding variables that exist in the real world. Students will acquire skills in specific techniques and procedures (such as collecting and analyzing water samples), conduct a long-term study of some local system or environmental problem, analyze a real data set, and visit a local public facility.

Prerequisite: 85% or better in Biology and Chemistry, C or better in Honors Chemistry or Honors Environmental Science, departmental approval, and a letter of application. Students are expected to take the Advanced Placement Test. Summer work may be required.

(Full year course open to grades 11 and 12)

**1750 ENVIRONMENTAL SCIENCE**

Honors

(1 credit)

Laboratory Science

Environmental science is the study of how humans interact with the environment and how these interactions may be improved.

This course covers the same basic topics as the college prep level but is faster paced, goes into greater depth, and emphasizes field studies and research projects. Due to the amount of material covered and the resources available students are responsible for more independent work. Students will also work closely with local and state environmental agencies to learn about current environmental issues and help work towards solving them. A select group of students from the class will represent the high school in the Massachusetts Environthon Competition.

Prerequisite: Successful completion of Biology

(Full year course open to grades 11, 12)

**SCIENCE DEPARTMENT (CONTINUED)****1752 ENVIRONMENTAL SCIENCE**

College prep

(1 credit)

Laboratory Science

Students will analyze the current global and local environmental issues to determine what can be done to solve the problems. The class will also focus on the fundamental issues in ecology, which is the study of how organisms interact with each other and the environment. Students will examine these interactions by studying energy flow and chemical cycling through an ecosystem, ecosystem succession, predator-prey relationships, natural selection, and endangered species. Laboratory investigations, hands-on activities, and field studies will be used. (Full year course open to grades 11, 12)

**1760 ASTRONOMY**

Honors

(1 credit)

Laboratory Science

This course introduces the methods of astronomy and discusses historical astronomical ideas, constellations and telescopes. Students will learn about the electromagnetic spectrum and how spectroscopy is used to identify the composition of distant objects in space. Stars and stellar evolution will be studied, as well as how our star, the sun, fits into the stellar scheme. The Solar System will be investigated, including the planets, moons, asteroids, comets and meteors. This course will look at the origin, evolution and structure of the universe, galaxies, stars and planets.

(Full year course, open to grades 11, 12)

**1763 ASTRONOMY: SURVEY**

College Prep

(.5 credit)

Laboratory Science

This course includes the study of the historical astronomical theory, constellations, telescopes and the electromagnetic spectrum. Students will investigate stars, star evolution, and our own star, the sun. The Solar System, including the planets, moons, asteroids, comets and meteors is a focus. The study of galaxies, quasars, and the origin of the universe will be investigated.

(Semester course, open to grades 11, 12)

**1770 ANATOMY AND PHYSIOLOGY**

Honors

(1 credit)

Laboratory Science

This course will provide a detailed and comprehensive look at human anatomy and physiology by emphasizing the important concepts, terminology and interrelationships of human structure and function. Students will gain an appreciation for the systems of the body and their role in maintaining health and wellness. This course will be aimed at the student wishing to take a fourth year of science, especially those thinking of entering the health care professions. This course provides an in depth foundation for those interested in entering a Pre-Med program in college.

Prerequisite: 85% or better in College Prep Chemistry or a 75% or better in Honors Chemistry

(Full year course open to grades 11, 12)

**1772 ANATOMY & PHYSIOLOGY**

College Prep

(1 credit)

Laboratory Science

This course will take a comprehensive look at human anatomy and physiology with an emphasis on the human organ systems. This course will be aimed at the student wishing to take a fourth year of a science, especially those thinking of entering the health care professions. As the systems are covered, attention will be given to the relationship between form and function, health and balance between organ systems. Students will gain an appreciation for the systems of the body and their role in maintaining health and wellness.

Prerequisite: Successful completion of College Prep Biology

(Full year course open to grade 11, 12)

**1782 BOTANY**

College Prep

(.5 credit)

Laboratory Science

This course will investigate the world's vast variety of plant life. Plant adaptations, evolution, function, needs, structure, and propagation will be examined. Particular attention will be given to agricultural, culinary, native and marine specimens in the greenhouse and researching the use of botanicals in various cultures.

(Semester course, open to grades 11, 12)

**1784 ORGANIC CHEMISTRY**

Honors

(.5 credit)

Laboratory Science

This course covers such topics as the naming and reactions of various hydrocarbons, alcohols, aldehydes, ketones, acids, esters, amines and amides.

Prerequisite: Grade of 90% or better in College Prep Chemistry / or 85% or better in Honors Chemistry

(Semester course, open to grades 11, 12)

**1786 BIOCHEMISTRY**

Honors

(.5 credit)

Laboratory Science

This course covers such topics as carbohydrates, lipids, proteins, and nucleic acids as well as an in depth look at molecular biology, including processes involving DNA and RNA and protein syntheses. It is designed for the student who wishes to explore topics beyond those covered in Honors Biology and Honors Chemistry.

Prerequisite: Grade of 90% or better in College Prep Chemistry / or 85% or better in Honors Chemistry

(Semester course, open to grades 11, 12)

## SCIENCE DEPARTMENT (CONTINUED)

### 1788 GEOLOGY: SURVEY

College Prep

(.5 credit)

Laboratory Science

This course introduces the study of the Earth, its layers, minerals and rocks. Students will learn about weathering at the Earth's surface and erosion by water, wind and glaciers. Students study plate tectonics and the relation to earthquakes, volcanoes and mountain formation. This course offers an in-depth understanding of geologic history and the process of determining the age of rocks, fossils and the universe.

(Semester course, open to grades 11, 12)

### 1793 BIOETHICS

College Prep

(.5 credit)

This course is designed for students interested in learning more about the science that exists in their society. It will examine, in-depth, those current events and hot topics in all science disciplines of particular interest to high school students. This course will consist of, but not be limited to, independent research, discussion, debate, role playing activities, and student presentations. Specific topics will be assigned by the teacher with additional areas decided on by students in this course.

(Semester course, open to grades 11, 12)

Offered September of odd years

### 1794 THE SCIENCE OF SPORTS

College Prep

(.5 credit)

This course is designed for students interested in learning more about the science involved in many sporting events. Since science plays a role in every aspect of sport, from equipment design to the actual human body itself, this class will allow students to obtain a better understanding of the scientific principles that apply. This course will consist of, but not be limited to, independent research, discussion, debate, role playing activities, and student presentations. Specific topics will be assigned by the teacher with additional areas decided on by students in this course

(Semester course, open to grades 11, 12)

Offered September of even years

### 1795 CONCEPTS IN BIOLOGY

College prep

(.5 credit)

This course is designed specifically for those students who have not yet met their MCAS science competency. This course will focus on content standards found in the six strands of the Biology Massachusetts Curriculum Frameworks: chemistry of life, cell biology, genetics, anatomy and physiology, evolution and biodiversity, ecology, as well as, the four scientific inquiry skill standards. Emphasis will be placed on analyzing and responding to open response questions and multiple choice questions that require interpretation of charts and graphs. Spiraled diagnostic testing will be used regularly to identify student weaknesses and allow for adjustments in curriculum.

(First semester course, open to grades 11, 12)

### 1755 HORTICULTURE

College Prep

(.5 credit)

Laboratory Science

This course will introduce and provide hands-on experience in the field of plant cultivation. Propagation, production, breeding and engineering will be researched, particularly with respect to food and ornamental crops. Global issues such as crop loss due to insects, climate, and disease as well as crop yield and quality will be addressed. Students should expect to work extensively in the greenhouse and on the school grounds.

(Semester course, open to grades 11, 12)

### 1764 MARINE BIOLOGY

College Prep

(.5 credit)

Laboratory Science

This course will survey the wide range of species which make their home in the world's oceans including algae, fish, marine mammals and shellfish. Adaptations, interdependence, evolution, structures and life strategies will be examined through observations, dissections, research and a field trip. Special focus will be given to local species living in and around Stellwagen Bank National Marine Sanctuary.

(Semester course, open to grades 11, 12)

### 1765 OCEANOGRAPHY

College Prep

(.5 credit)

Laboratory Science

This class will provide an introduction to oceanography, the study of the oceans and their interactions. Students will examine the biological, chemical, geological and physical processes which influence the oceans. Special consideration will be given to human impact on the oceans and how the oceans alter human life

(Semester course, open to grades 11, 12)

### 1766(.4) / 1767(.5) ENGINEERING DESIGN

Honors

(.4 - .5 credit)

Students in this course will utilize prior math, science and technology skills to solve real world engineering problems. Students will focus on developing 21st century skills using computers and hands on learning. Concepts including engineering design process, interpretation of orthographic designs, identifying engineering properties of materials, recognizing zoning laws and building codes, describing the advantage of robotics and animations, understanding digital and analog communication technologies and research of past, current and future engineering concepts will be addressed using individual and group project based learning.

(Semester course, open to grades 11, 12)

## SCIENCE DEPARTMENT (CONTINUED)

### 1776 STRATEGIES FOR SUCCESS: SCIENCE

Un-leveled (.3 credit)

This course provides a review of topics found in the Introductory Physics or Biology Massachusetts Curriculum Framework depending upon the grade level. Students will analyze open response questions and write appropriate solutions. Technology will be used to integrate and support science concepts. The focus is on both MCAS preparation and MCAS remediation with emphasis on test taking strategies and content specific weaknesses.

(Full year course, meeting three times in a seven day cycle, open to grades 9, 10)

### 1790 LABORATORY ASSISTANTS IN TEACHING SCIENCE

(.2 to 1 credit)

Independent Research Program

Laboratory assistants in teaching science (LATS) will have an opportunity to work cooperatively with a faculty advisor in preparing hands-on, inquiry-driven, standards-based laboratory activities. In doing so, LATS will explore personal interests in specific science content areas for as many periods as the advisor's and student's schedules allow. A review of laboratory safety skills will be completed at the beginning of the program. Once the working relationship between advisor and student has been established, a contract detailing the work to be completed under the advisor's guidance must be signed by the student. This course is graded pass or fail. LATS may not be used to fulfill graduation requirements.

Prerequisite: 85% or better in the advisor's class, excellent laboratory skills, available space within schedule, and departmental approval (Semester or full year course, open to grades 10, 11, and 12.)

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## SELF-INITIATED LEARNING OPPORTUNITIES - GRADES 9-12

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### 2790 MAROON AND GOLD SCHOLARS PROGRAM - Independent Research Program Honors (.5 credit)

Students will have the opportunity to undertake rigorous, independent, scholarly research and explore an academic area of personal interest. Working cooperatively with a faculty advisor of the student's choice, the student will design an action plan, conduct research, keep a log of activities, prepare and submit a final research project, and present the project orally to a designated faculty panel.

A maximum of ten students will be accepted into this program. Although this course will not affect class rank, upon successful completion, a student will receive the Maroon and Gold Scholar designation at graduation. This course is graded pass or fail.

(Open to grade 12 only)

### 2782(Q) / 2783(S) / 2784(Y) ADVANCED INDEPENDENT STUDY Honors (.25 - 1 credit)

### 2785(Q) / 2786(S) / 2787(Y) ADVANCED INDEPENDENT STUDY College Prep (.25 - 1 credit)

Independent Study provides students with the opportunity to extend their learning beyond the high school curriculum in any academic or occupational discipline for a semester. In order to participate, a student must obtain a faculty sponsor and make a formal application to that sponsor and the lead teacher. The application to be submitted for approval must include a topic, course outline of the proposed area of study, appropriate course outcomes, and the assessments that will be utilized to demonstrate course rigor and mastery. Once the proposal has been approved by the building level administrator, the student will sign a contract detailing the work to be completed under the auspices of the faculty sponsor. Advanced Independent Study may not be used to fulfill graduation requirements.

(Quarter, Semester, or Full Year course, open to grades 10, 11, 12)

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## COMMUNITY SERVICE PROGRAM

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### 2799 COMMUNITY SERVICE 1st Semester (.1 to .5 credit)

### COMMUNITY SERVICE 2nd Semester (.1 to .5 credit)

Organized in the belief that our own neighborhoods can serve as an excellent laboratory to learn how to help others and to discover and develop one's own capabilities, the Community Service Program provides students with an opportunity to engage in such projects for credit. Community Service credit may not be used to fulfill any graduation requirement. An application is required from the Counseling Services Department. [.1 credit for every 15 hours of documented service and no more than .5 credit for each school year.]

(Open to grades 9, 10, 11, 12)

#### Program details are as follows:

- A field of services activity - no classroom work.
- 0.1 credit would be offered for every 15 hours of field service to a maximum of .5 points a semester.
- The field service can be performed after school, evenings, weekends, summers, and during 7th period if the student has no other course or assignment during that time block.
- Students must provide their own transportation.
- A high standard of behavior will be expected.
- A journal must be maintained.

#### Among the activities that would be considered appropriate are the following:

- performing errands for the elderly or housebound
- reading letters and newspapers to the blind
- helping with therapy programs such as patterning
- assisting in nursing homes or the hospital.

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# SPECIAL EDUCATION

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The Special Education Department is committed to meeting the educational and emotional needs of students with learning problems in the least restrictive environment. The department strives to provide those students with special learning needs successful academic experiences through the development of an Individual Educational Program. This may include special education and/or regular education classes. A TEAM, which includes the student, child's parents/guardians and school personnel, determines a student's special needs as a result of an evaluation and recommends services designed to meet these needs. This process involves exploring and documenting all regular education alternatives before referral to Special Education for an educational evaluation. Each student's Individual Educational Plan (IEP) is reviewed quarterly and a progress report is written and sent home to parent(s). The Individual Educational Plan is reviewed on an annual basis and goals are written to reflect the student's progress. Every three years a re-evaluation is completed and eligibility for special education services is determined. Students (14+) become a participating member of the team and assist in the decision making process.

## **261\_ ENGLISH** (1 credit)

These courses are designed to develop basic writing, reading, speaking and listening skills. Remediation of grammar and punctuation skills will be addressed. Students will have the opportunity to use computers to enhance their writing skills. The curriculum will follow the ELA education curriculum for each grade and is designed to prepare the student for the MCAS tests. (Full year course open to grades 9, 10, 11 and 12)

## **262\_ MATH** (1 credit)

These courses are designed for the student experiencing significant difficulties in the math sequence. Basic math skills will be stressed and reinforced in terms of real life math situations with the goal of enabling the student to apply these skills on the job, as a consumer and in post secondary schooling/ or training programs. Topics will be addressed in preparation for the MCAS test. The recommended sequence of courses is Algebra I in grade 9 followed by Geometry in grade 10. (Full year course open to grades 9 and 10)

## **2660 STUDY SKILLS** (.5 credit)

This course is designed for special education students. A diagnostic evaluation and team meeting will determine eligibility for this course. Students must exhibit weaknesses or deficiencies in executive functioning. Topics to be covered will be based on the student's grade level and will include, but not be limited to time management, organizational skills, mapping, mnemonics outlining, and note taking, learning and study strategies and test taking skills. (Full year course meeting 3 - 4 times in a cycle, open to grades 9 and 10)

## **2662 ENHANCED STUDY SKILLS** (.5 credit)

This course is designed for special education students who have taken study skills and need continued skill development and academic support. A diagnostic evaluation and team meeting will determine eligibility for this course. Students must exhibit weaknesses or deficiencies in executive functioning. Topics to be covered will be based on the student's grade level and will include, but not be limited to emphasis on applied Study Skills, individual goal setting, and career and college planning.

Prerequisite: Study Skills or special education team recommendation.

(Full year course meeting 3 - 4 times in a cycle, open to grades 11 and 12)

## **2685 READING IN THE CONTENT AREA** Un-leveled (1 credit)

This course is designed for students who need reinforcement and further development in basic reading skills. The focus of this course will be on comprehension, vocabulary development, and content in reading. Organizational and learning strategies will be taught to increase student academic success.

(Full year course)

## **2626 INTEGRATED ALGEBRA / GEOMETRY** (1 credit)

This course is designed for students who are in need of review and reinforcement of algebra and geometry concepts. This course is strongly recommended for students who have not yet passed the grade 10 Math MCAS Test.

(Full year course open to grades 11, 12)

## **2628 CONSUMER AND CAREER MATHEMATICS** (1 credit)

Basic math skills will be stressed and reinforced in terms of real life math situations with the goal of enabling the students to apply these skills on the job, as a consumer and in post secondary schooling/ or training programs. This class is recommended for students who have passed the Math MCAS, but still have a math weakness, and require review and reinforcement of math skills.

Prerequisite: Students must have earned a competency determination on the mathematics portion of the MCAS test.

(Full year course open to grades 11, 12)

## SPECIAL EDUCATION (CONTINUED)

### **2666(Q) / 2667(S) / 2668(Y) ACADEMIC SUPPORT FOR LEARNING**

(.25 - 1.0 credit)

This course is designed for students with a documented learning disability who need review and reinforcement of basic English and or math skills in order to support success in their classes and meet their stated IEP learning goals. Instructional intervention and compensatory strategies will be the focus along with the re-teaching of specific skill areas designed to achieve individual student IEP goals and benchmarks. Students with IEP's may utilize the Academic Support Center to take quizzes/ tests if this is an accommodation on their IEP. Students may be recommended to utilize the Academic Support Center if they have a study and can benefit from getting support with their course work.

(Quarter, Semester, or Full year course meeting either three, four, or seven times in a seven-day cycle, open to grades 9, 10, 11, 12)

### **2670 / 2692 LIFE SKILLS**

(1 credit)

The Life Skills Program at Weymouth High School is a substantially separate program structured to meet the unique educational, social and vocational needs of students ages 14-22 with severe developmental disabilities. This program provides comprehensive life skills training. Students expand their functional academic and social skills, enhance independent living skills, develop competitive work skills and behaviors and learn how to access and utilize community resources. The curriculum focuses on functional skills designed to prepare students for transitioning from school to adult life.

(Full year course, open to grades 9-12)

### **INCLUSION CLASSES**

As an integral part of the Weymouth High School program, some special education students may be scheduled for inclusion classes. These classes are general education classes available to the entire school population. Each class consists of a general education teacher and a member of the special education staff. The following is a list of the proposed inclusion classes: English, Math, Science, Social Studies, and Integrated Physical Education.

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## **DEVELOPMENTAL READING**

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These courses are designed for severely deficient readers who require a structured, sequential, and multisensory presentation of reading and writing tasks. The methods utilized teach students directly and systematically how to decode words fluently and accurately. The program emphasizes decoding and spelling skills. Reading comprehension will be addressed through visualization and listening strategies. This course is appropriate for and recommended only for students who have not internalized the sound and syllable system for reading and spelling.

### **2616 DEVELOPMENTAL READING I**

(1 credit)

This language-based course emphasizes direct teaching of word analysis in terms of word structure and phonetics.

Prerequisite: A diagnostic evaluation is required to determine eligibility for this course.

(Full year course open to grades 9 – 12)

### **2617 DEVELOPMENTAL READING II**

(1 credit)

This course builds on the skills mastered in Reading I.

Prerequisite: Successful completion of the first levels of the Developmental Reading program and/or departmental approval.

(Full year course, open to grades 9 – 12)

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# UNIFIED ARTS

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Students must take 1.5 credits of Unified Arts as part of the graduation requirement. The following courses qualify as Unified Arts credits. Please see full course descriptions listed in each program area.

## ART

- Drawing and Painting
- Three Dimensional Design
- Introduction to Photography
- Comics in Society
- Fundamentals of Art
- Photography I
- Photography II
- Photography III
- Introduction to Digital Photography
- Art I
- Art II
- Art III
- Individualized Studio
- Visual Language I
- Visual Language II
- Yearbook Production
- Yearbook Creation
- Graphic Design

## MUSIC

- Band
- Concert Choir
- Advanced Choral Study: POP & Jazz Choir
- Select Ensemble
- Fundamentals of Music Technology I & II
- Music Theory I
- Music Theory II and Composition
- AP Music: Music Theory I & II (combined)
- Guitar I & II
- Piano I & II
- Percussion

## BUSINESS

- Basic Computer Software Applications
- Basic Web Design
- Advanced Web Design
- Microsoft Word with Keyboarding Techniques
- Advanced Comp. Software Apps w/ MS Excel and Access
- Advanced Comp. Software Apps w/ MS Word and PowerPoint
- Advertising w/Desktop Publishing
- College Accounting I
- Advanced Accounting II
- Personal Finance and Decision Making I
- Marketing
- Business Principles and Management
- Entrepreneurship
- Yearbook Production
- Yearbook Creation
- WCAT Production

## CAREER AND TECHNICAL EDUCATION

- Aesthetics
- Graphic Design
- Manicuring
- Medical Ethics and Law
- CTE courses for students transferring out of CTE

## FOREIGN LANGUAGE

- Enrollment in two concurrent foreign language courses.  
The second course will be granted Unified Arts Credit.





