



WEYMOUTH PUBLIC SCHOOLS

Strong Schools  Strong Community

Career and Technical Education

Overview

March 12, 2015

Mission Statement

The Career and Technical Education Program cultivates student potential by integrating rigorous classroom instruction with relevant, work-based experiences that inspire, guide and empower all students for post-secondary education and careers. As an investment in the future of our communities, our state, our nations, and our world, CTE programs cultivate the academic, employability and technical skills that prepare young adults for leadership roles in our ever-changing world.



Exploratory

Maximum - 180 students (18 per program)

	Applied	Accepted
2012/13	199	180
2013/14	208	180
2014/15	206	193

Students are selected based on 8th grade criteria.

	Points
Grades	20
Attendance/Tardy	30
Discipline	30
Guidance Recommendation	20



Students are assessed daily on workplace skills!

	22-25	16-21	0-15
Attendance	Student was present and on time for class	Student was late for class	Student was absent
Workmanship	Excellent quality work – accurate, complete, no errors	Good quality work – somewhat accurate, complete and/or contains few errors	Poor quality work – not accurate, complete and/or many errors
Safety	Student complies with all safety requirements consistently	Student needs occasional safety reminders	Student needs constant safety reminders
Work Habits/Participation	Student works consistently without being redirected	Student needs redirection at times	Student needs constant redirection to stay on task





WEYMOUTH PUBLIC SCHOOLS

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Program Overview

Allied Health

Automotive

Construction Technology

Cosmetology

Culinary Arts

Drafting and Design Technology

Early Childhood Education

Graphic Communications

Information Technology

Metal Fabrication

Allied Health

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
Quincy College	Admission		12/2015
New England Technical Institute	Admission		

Current Enrollment	
Allied I	17
Allied II	12
Allied III	11
Max Freshmen	18

Certificates
OSHA 10
Phlebotomy
Certified Nursing Assistant
EKG
CPR/First-Aid (health care professionals)



Allied Health Highlights

- Students intern at Weymouth Health Care Center
- EKG and Phlebotomy pass rate are above the national standard
- SIM-Man Mannequin (heart-beat, pulse, breathes, blood flow)

Career Pathways

- EMT
- Medical Billing
- Medical Coder
- Medical Lab Technician
- Nurse Practitioner
- Occupational Therapist
- Pharmacy Technician
- Phlebotomist
- Physical Therapist
- Physician Assistant
- Registered Nurse
- Surgical Technician
- Pharmacist
- Licensed Practical Nurse



Automotive

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
Central Maine Community College	Intro to Auto	3	6/2014
Central Maine Community College	Brakes 1	3	6/2014
Central Maine Community College	Suspension and Alignment	3	6/2014
Central Maine Community College	State Inspection		6/2014
Benjamin Franklin Institute of Technology	Automotive Engines	4	6/2013
Mass Bay Community College	Automotive Fundamentals	5	6/2017
Mass Bay Community College	Automotive Technology	5	6/2017
Mass Bay Community College	Intro to Automotive Service	4	6/2017
Universal Technical Institute	Intro to Auto	3	6/2014
New England Technical Institute	(5 classes)		Does not expire

Current Enrollment	
Auto I	17
Auto II	13
Auto III	13
Max Freshmen	13

Certificates
OSHA 10
Hours toward NATEF



Automotive Highlights

- Live shop
- 2 students out of Cooperative Education
- Massachusetts State Inspection station
- Alignment machine
- NATEF Accredited Program (National Technicians Education Foundation)
 - Brakes
 - Electrical/Electronic Systems
 - Suspension and Steering
 - Automatic Transmission and Transaxle
 - Engine Repair
 - Heating and Air Condition
 - Manual Drive Train and Axle
 - Engine Performance

Career Pathways

- Technician
- Service Department Consultant
- Parts Department Consultant
- Fleet Service Technician
- Service Manager
- Parts Department Manager
- Finance/Insurance Manager
- Sales Manager
- Insurance Adjuster
- Automotive Manufacturer Representative
- Automotive Mechanical Engineer



Construction Technology

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
New England Institute of Technology	Tool and Site Work	3	Does not expire
New England Institute of Technology	House Framing	3	Does not expire
New England Institute of Technology	Safety Practices and OSHA	1	Does not expire
Carpenters Union			Does not expire

Current Enrollment	
Construction I	15
Construction II	13
Construction III	12
Max Freshmen	16

Certificates
OSHA 10 Construction



Construction Technology Highlights

- 2 students on Cooperative Education
- Students perform work on jobsites in the area
- New CNC Router

Career Pathways

- Apprentice Carpenter
- Architect
- Building Contractor
- Building Maintenance
- Building/Home Inspector
- Cabinet Maker
- Carpenter
- CNC Operator
- Construction Consultant
- Contract Administrator
- Cost Estimator
- Environmental Engineer
- Insurance Appraiser
- Roofer
- Surveyor



Cosmetology

Program Highlights

- Live Salon open Tuesday – Thursday, 7:45 and 11:45 (by appointment only)
- Only 1 student has ever failed the practical licensure exam
- Students practice 21st Century Skills everyday

Current Enrollment	
Cosmo I	14
Cosmo II	16
Cosmo III	8
Max Freshmen	16
Certificates	
OSHA 10	
Cosmetology License	

Career Pathways

- Stylist
- Booth Renter
- Salon Manager
- Salon Owner
- Skin Care Specialist/Aesthetician
- Make-up Artist
- Day Spa Stylist or Technician
- Manufacturer's Representative
- Product/Salon Educator
- Cosmetic Chemist
- Beauty Editor Writer
- State Board member/Inspector



Culinary Arts

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
Johnson and Wales University	Intro to Baking and Pastry	3	8/2014
Johnson and Wales University	New World Cuisine	3	8/2014
Johnson and Wales University	Fundamentals of Good Service Production	3	8/2014
Johnson and Wales University	ServSafe		8/2014
Central Maine Community College	Food Prep Sanitation	3	6/2014
Central Maine Community College	Nutrition and Food Quality	3	6/2014
Massasoit Community College	Culinary Concepts	3	Does Not Expire
Massasoit Community College	Intro to Baking	3	Does Not Expire
Culinary Institute of America	ServSafe	1.5	9/2015
Newbury College	Culinary Science and Theory	3	11/30/2015

Current Enrollment

Culinary I	16
Culinary II	15
Culinary III	13
Max Freshmen	16

Certificates

OSHA 10

Serve Safe



Culinary Arts Highlights

- Live Restaurant
 - Wildcat Café is open most Wed – Fri: 11:45am – 1pm
- Students have gone to prestigious culinary schools such as *Le Cordon Bleu*, *Culinary Institute of America* and *Johnson and Wales University*
- Live Bakery
 - Wildcat Bakery is open to the public Wed – Fri: 9am – 1pm

Career Pathways

- Cake Decorator
- Assistant Pastry Chef
- Kitchen Manager
- Restaurant Manager
- Banquet Captain
- Function Coordinator
- Wedding Planner
- General Manager
- District Manager
- Owner Operator
- Proprietor
- Certified Executive chef
- Certified Executive Pastry Chef
- Research and Development Chef
- Corporate Chef
- Dietician



Drafting and Design Technology

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
New England Institute of Technology	Intro to Architecture and Building	1	Does not expire
New England Institute of Technology	Technical Drafting and Graphics	3	Does not expire
New England Institute of Technology	Intro to CAD	4	Does not expire
New England Institute of Technology	Intro to Structures	2	Does not expire
Massachusetts Community Colleges	Drafting	3	Does not expire

Current Enrollment	
Drafting I	6
Drafting II	12
Drafting III	7
Max Freshmen	16

Certificates
OSHA 10



Drafting Highlights

- 1 student on Cooperative Education
- 3-Dimensional printer
- Produces blueprints for small additions, garages and sheds
- District and school plans for improvements

Career Pathways

- Architect
- Project Manager
- Apprentice Drafter
- Electrical Engineer
- Quality Control Inspector
- Mechanical Engineer
- Interior Designer



Early Childhood Education

Articulated College	Course Articulated	Number of Credits	Date of Agreement expiration
Massasoit Community College	Early Education and Care	3	Does not expire

Certificates
OSHA 10
CPR
First Aid
Eligible to apply for Infant/Toddler/Preschool Teacher Certification

Current Enrollment	
ECE I	14
ECE II	10
ECE III	9
Max Freshmen	16



ECEC Highlights

- Live Childcare Center infants, toddlers, and preschoolers
- Sophomores/Juniors intern in Childcare Center
- Seniors intern in local schools

Career Pathways

- Certified Preschool Teacher
- Director-Early Childhood Center
- Elementary Teacher
- Family Counselor
- Occupational Therapist
- Pediatric Nurse
- Preschool Teacher
- School Adjustment Counselor
- School Psychologist
- Social Worker
- Special Education Teacher



Graphic Communications

Articulated College	Course Articulated	Number of Credits	Date of Agreement expiration
Central Maine Community College	Typography	3	6/2014
Central Maine Community College	Digital Page Layout	3	6/2014

Certificates
OSHA 10
PrintEd

Current Enrollment	
Graphics I	11
Graphics II	4
Graphics III	7
Max Freshmen	16



Graphic Highlights

- Live print shop
 - Print several job for schools throughout the district as well as outside work
- New Large Format Printer
- Screen printing
 - Print t-shirts for schools, clubs and classes

Career Pathways

- Trademark/Logo/Brand/Identity Designer
- Audio/Visual Packaging
- Motion Graphics
- Pre-Press Operator/Prepress Specialist
- Production Artist
- Print Production Artist/Manager
- Digital Imaging Specialist
- Typesetter
- Desktop Publisher
- Layout Artist
- Advertising manager
- Marketing manager
- Promotions Manager
- Public Relations Manager



Information Technology

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
Central Maine Community College	CPT 147- Intro to Computer Repair	3	6/2014
Quincy College	Intro to Computers		6/2014
Bunker Hill Community College	PC Hardware	3	In process
New England Institute of Technology	Intro to Information Technology	3	Does not expire
New England Institute of Technology	Hardware Fundamentals	3	Does not expire

Current Enrollment	
IT I	16
IT II	8
IT III	6
Max Freshmen	10

Certificates
OSHA 10
A+
CCENT



Information Technology Highlights

- I Phone screen replacement
- Computer repairs for employees
- Networking and repairs for Weymouth High School Tech Department

Career Pathways

- Computer Engineer
- Computer Support Specialist
- Computer Systems Analyst
- Data Communications Analyst
- Hardware Engineer
- Network Systems Analyst
- Application Architect
- Senior IT Auditor
- Staff Consultant
- Information Protection Analyst
- Network Security
- Computer Repair
- Hardware Engineer
- Network System Analyst
- Computer Scientist



Metal Fabrication

Articulated College	Course Articulated	Number of Credits	Date of agreement expiration
Massasoit Community College	Metal Fabrication		6/2014
Sheet Metal Local			Does not expire

Current Enrollment	
Metal Fab I	11
Metal Fab II	7
Metal Fab III	8
Max Freshmen	16

Certificates
OSHA 10
A.W.S. S.E.N.S.E.



Metal Fabrication Highlights

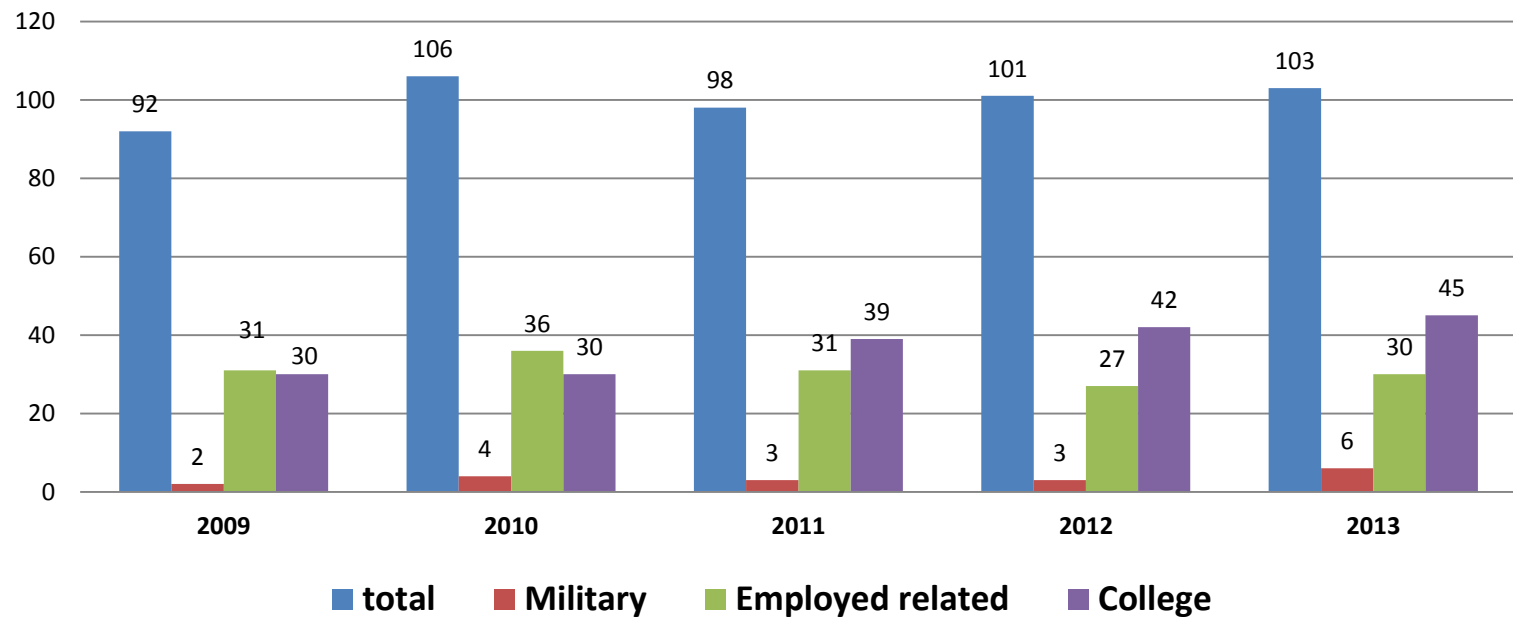
- Outside work
- New CNC plasma cutter
- New shear
- New Ironworker

Career Pathways

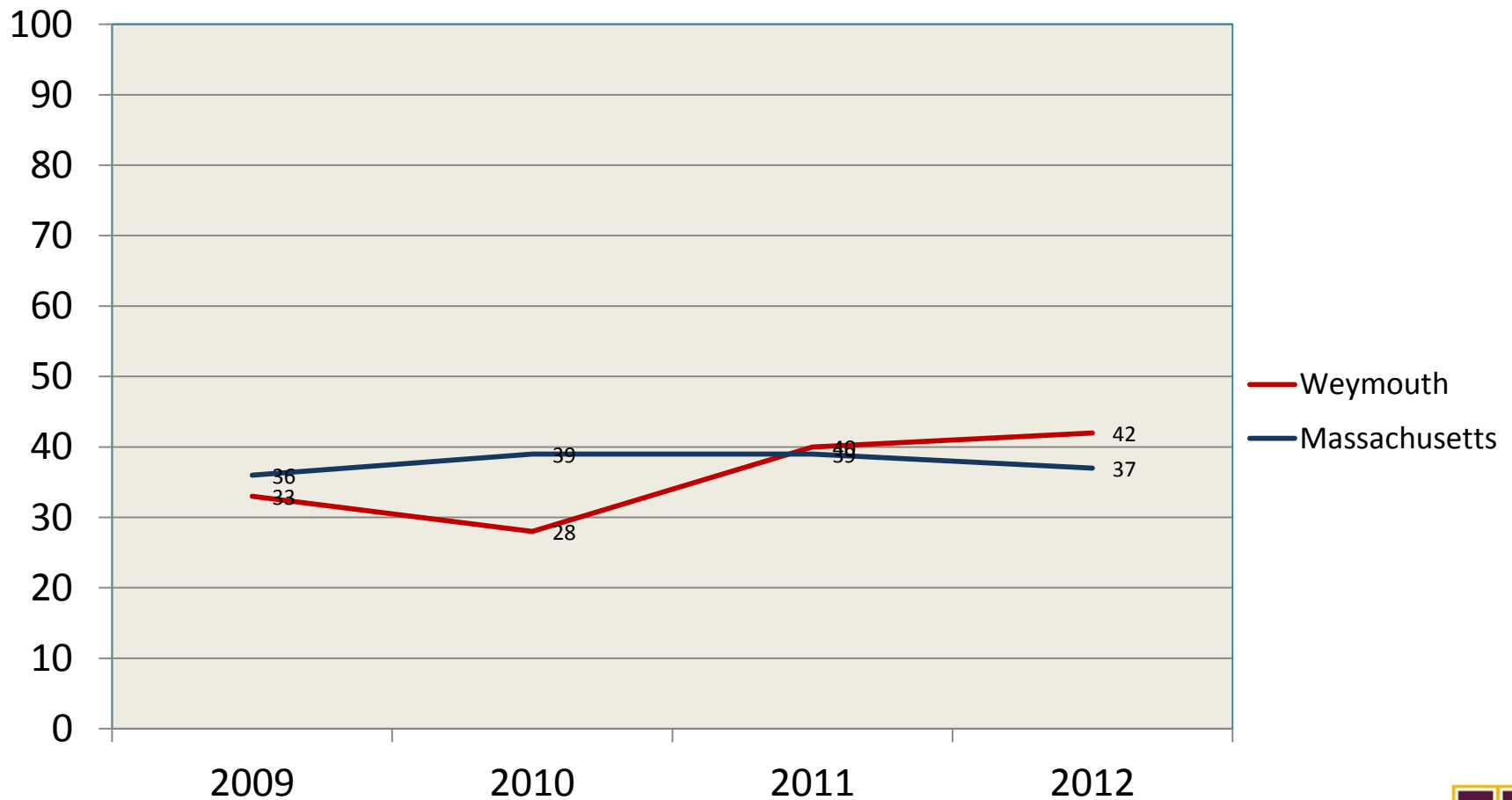
- CNC Equipment Operator
- Welder
- Ship fitter
- Retail Sales
- Building Maintenance
- Ventilating Duct Installer
- Pipe Fitter Apprentice
- Sheet Metal Apprentice
- Iron Worker Apprentice
- Pipe Welder
- Pipe Fitter
- Metallurgy Engineer
- Structural Welding Engineer
- Industrial Manager
- Metal Architect ct



WHS CTE Post-Secondary Outcomes



Percentage of CTE Graduates Enrolling in College (WPS vs. State)



Percentage of CTE Graduates Employed (WPS vs. State)

