STEM
SCIENCE | TECHNOLOGY | ENGINEERING | MATHEMATICS

Weymouth has begun the process of forming a district wide STEM plan. The STEM Development Team is comprised of academic leaders across the district with STEM sub-committees comprised of educators of various levels. The STEM Development Team has been meeting since the spring of 2014. The first tasks were to assess our current opportunities for students and educators to participate in STEM learning and develop goals for our district to improve, enhance and enrich our STEM offerings.

Weymouth established four STEM goals:
1. Engage students in STEM experiences across content areas
2. Encourage teachers to participate in STEM professional development
3. Make connections between STEM and career and college opportunities
4. Produce STEM literate students ready to face tomorrow's challenges through problem solving, communication, critical thinking, computational thinking and grit
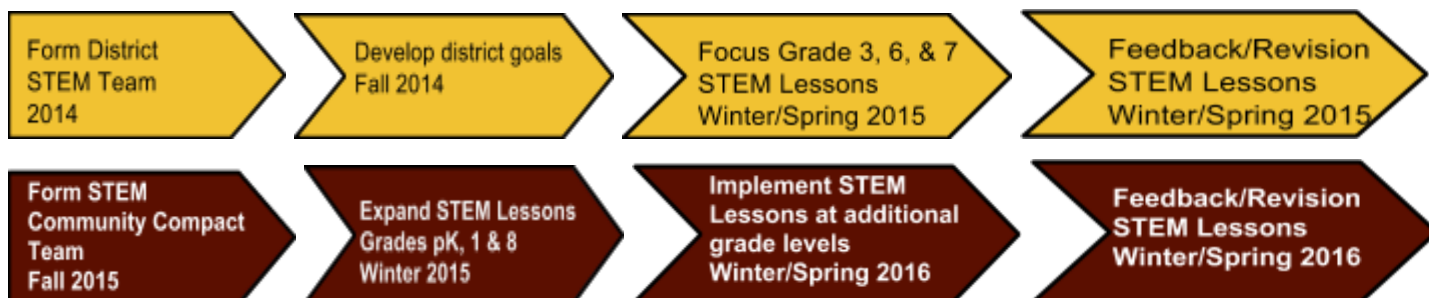
Did you know that the most engineering jobs go unfilled here in the U.S. because there are not enough qualified applicants?

"At all levels of educational attainment, STEM job holders earn 11 percent higher wages compared with their same degree counterparts in other jobs."

-National Governors Association Center for Best Practices

What is the value of this work? This initiative will help Weymouth Public Schools students to experience opportunities with real world, authentic and enriching STEM learning. Students will make connections from experiences preK through grade 12 to college and career possibilities. Students will develop skills such as problem solving, collaboration, communication, computational thinking, critical thinking, and more.

Timeline For STEM

Form District STEM Team 2014 → Develop district goals Fall 2014 → Focus Grade 3, 6, & 7 STEM Lessons Winter/Spring 2015 → Feedback/Revision STEM Lessons Winter/Spring 2015

Form STEM Community Compact Team Fall 2015 → Expand STEM Lessons Grades pK, 1 & 8 Winter 2015 → Implement STEM Lessons at additional grade levels Winter/Spring 2016 → Feedback/Revision STEM Lessons Winter/Spring 2016

STEM education grows out of the idea that the boundaries between science, technology, engineering, and math are permeable. Moreover, it asserts that its four disciplines are interdependent. By endeavoring to blend science, technology, engineering, and math in its approach, STEM education seeks to create 21st century learning opportunities and skill development for students. - Discovery Education