



## Science, Technology & Engineering Department

### Applied Technology Curricula Grades 9-12



The technology program at Norwell High School provides an engaging path for students to learn about and become confident with the technologies that drive the economy of the United States and the World. From explorations with our computer controlled laser machining center to robotics to designing computer games and animations, students in engineering share exciting experiences while gaining valuable skills.

The **Science, Technology and Engineering Department** at Norwell High School believes that all students should be proficient in these skills.

- Asking questions (for science) and defining problems (for engineering).
- Developing and using models.
- Planning and carrying out investigations.
- Analyzing and interpreting data.
- Using mathematics, information and computer technology, and computational thinking.
- Constructing explanations (for science) and designing solutions (for engineering).
- Engaging in argument from evidence.
- Obtaining, evaluating, and communicating information.

#### Courses

Broadcast and Media Production	Engineering and Industrial Design	Robotics II
Building Construction	Introduction to Computer Science	Technology Education I
Computer Repair	Introduction to Robotics	Technology Education II
Digital Literacy - Web 2.0	Jewelry Design and Fabrication	Technology Help Desk
Effective Presentations	Game Design and Computer Animation	TV Studio Internship
		Website Design and Social Media

[2016 Massachusetts Science, Technology and Engineering Frameworks](#)

[Norwell High School Program of Studies](#) provides more detailed information about courses, expectations and opportunities.