



**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  
Building Construction  
Computer Repair  
Effective Presentations

Engineering and Industrial Design  
Introduction to Computer Science  
Introduction to Robotics  
Jewelry Design and Fabrication  
Game Design and Computer Animation

Robotics II  
Technology Education I  
Technology Education II  
Technology Help Desk  
TV Studio Internship  
Website Design and Social Media

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

The Norwell High School Program of Studies provides more detailed information about courses, expectations and opportunities.