



## Science, Technology & Engineering Department

Science Curricula  
Grades 9-12



The Science, Technology and Engineering Department offers a variety of courses in the biological and physical sciences. All courses are activity and laboratory oriented with the intent that each student becomes the center of the learning process. The underlying objective of all courses is to give students the opportunity to gain a better understanding of self and environment and to recognize the role of science in the development of society.

The **Science Department** at Norwell High School believes that all science 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.

### Grade 9

Honors Biology  
College Prep Biology

### Grade 10

Honors Chemistry  
College Prep  
Chemistry  
AP Biology

### Grade 11

Honors Physics  
College Prep Physics  
AP Chemistry

### Grade 12

AP Physics  
AP Environmental Science  
CP Environmental Science  
Medicinal Chemistry  
Energy and the Environment  
Biotechnology and Forensic  
Science  
Astronomy  
Anatomy and Physiology  
Earth Science

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

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