

Honors: Physical Science

Physical Science is a thorough course that provides students with an understanding of the nature and structure of matter, the characteristics of energy, and the societal implications of physical science concepts. Using the scientific method - observation, data collection, analysis, hypothesis, and conclusion - students are encouraged to extend their knowledge through the development of scientific explanations, hypotheses, and conclusions. Topics include an introduction to kinematics, including gravity and two-dimensional motion; force; momentum; waves; electricity; atoms; the Periodic Table of Elements; molecular bonding; chemical reactivity; gases; and an introduction to nuclear energy. The content is based on the National Science Teachers Association (NSTA) standards and is aligned to state standards.