

## **PHYSICS 1, 2 Honors**

**Course Length:** 2 Semesters

**Credit per Semester:** 1.0 (Science or Elective)

**Grade:** 11, 12

**Prerequisite:** Satisfactory completion of PES Science 1, 2 Honors and Biology 1, 2 Honors

**Math requirement:** Successful completion of Algebra 3, 4 or Integrated Alg/Geom 5, 6 or department approval.

Honors Physics is the study of motion, forces, energy, light, sound, electricity, and magnetism. Students will be expected to demonstrate a command of science process skills. They will solve problems by observing demonstrations, conducting experiments, and applying math procedures and skills. Physics has applications in many fields including athletics, engineering and technology, liberal arts, and medicine and health. This honors course deals with the content and objectives in greater depth and complexity. Higher reasoning skills are needed, more out-of-class work is expected, and independent study skills are utilized.