

Year at a Glance



Physics /Honors

2003380 / 2003390

Course Description:

This advanced course provides a rigorous study of the concepts, theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes kinematics, dynamics, energy, work and power, heat and thermodynamics, waves, light, electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics include the use of the scientific method, measurement, laboratory apparatus, and safety.

Textbook Publisher:

McGraw Hill – Physics: Principles and Problems (Students have online access through My.SarasotaCountySchools.net)

Other Supplemental Resources:

[FSA Portal](#)

Standards:

Available on [CPalms](#)

[Physics](#)

[Physics Honors](#)

Benchmark Assessment Dates

Midterm – School Midterm Exam Schedule

Final Exam – School Final Exam Schedule

Quarter	Major Concepts/Topics
1	Unit 1 – Nature of Science Unit 2 – Motion Unit 3 – Forces
2	Unit 4 – Universal Gravitation Unit 5 – Momentum
3	Unit 6 – Energy Unit 7 – Heat
4	Unit 8 – Electricity Unit 9 – Optics and Waves

Students earning a [standard high school diploma](#) must earn three (3) Science credits. One (1) of which must be in Biology 1, the other two (2) of the three (3) must be equally rigorous with laboratory components. The student must also pass the Florida Standard Assessment (FSA) Biology 1 End of Course Exam (EOC), which constitutes 30 percent of the final course grade. More information on graduation requirements and concordant scores can be found here: [Graduation Requirements for Florida's Statewide Assessments](#).