

Expectations and Outcomes

Grade Level/Course: 10-12

Content Area: Science

Unit Title	Guarantees
Unit 1: Physics Newton's Laws	Model two object physical interactions using Newton's Laws
Unit 2: Physics Momentum	Apply momentum physics to two object collisions.
Unit 3: Physics Planetary Physics	Use Newton's laws of motion and gravity to model planetary motion.
Unit 4: Physics Waves	Describe wave motion and how it changes through different media. Model electromagnetic wave behavior.
Unit 5: Physics Data Transmission	Use circuitry components to store information. Use circuitry components to transmit information.
Unit 6: Physics Material Science	Explain common philosophies about the why of material properties. Model how different materials behave.