

CBHS Physics Course Standards  
September 2015

Standard: FORCES AND INTERACTIONS

How can one explain and predict interactions between objects and within systems? !

Standard: ENERGY

How is energy transferred and conserved?

Standard: WAVES AND ELECTROMAGNETIC RADIATION

How are waves used to transfer energy and information?

Standard: ENGINEERING DESIGN

How do engineers solve problems?

Standard: THE INFLUENCE OF SCIENCE, ENGINEERING AND TECHNOLOGY ON SOCIETY  
AND THE NATURAL WORLD

How are engineering, technology, science, and society interconnected?

Standard: SCIENCE AND ENGINEERING PRACTICES

Involves the following:

- Asking Questions and Defining Problems
- Developing and Using Models
- Planning and Carrying Out Investigations
- Analyzing and Interpreting Data
- Using Mathematics, Information and Computer Technology, and Computational Thinking
- Constructing Explanations and Designing Solutions
- Engaging in Argument from Evidence
- Obtaining, Evaluating, and Communicating Information

What to expect-

Trimester 1 Describing Motion using multiple representations

Trimester 2 Explaining Motion (Laws of Motion, Forces), Work & Energy Physics-Math

Expedition

Trimester 3 Torque, Power, Heat Transfer & Theoretical Physics