

Physics Course Outline

Chapter 1: Introduction to Physics: *September 1 - 9*

- Introduction to:

Conversions: English to English, Metric to Metric, & English to Metric

Basic Physics Vocabulary and Measurement

Chapter 22: Current Electricity (Current and Series and Parallel Circuits) *September 12-30*

Chapter 2: Displacement and Velocity: *October 3 – October 14*

Chapter 3: Accelerated Motion: *October 17-28*

Chapter 4: Forces in One Dimension: *October 31 - November 15*

Chapter 5: Forces in Two Dimensions: *November 16– December 9*

Chapter 6: Motion in Two Dimensions (Projectile Motion): *December 9- December 23*

Chapter 8: Rotational Motion: *January 2-16*

Semester 1 Review & Test *Jan 17-20*

Chapter 9: Momentum and its Conservation: *January 26 – February 6*

Chapter 10: Simple Machines, Energy & Work: *January 23 – February 10*

Chapter 7: Gravitation & Planets: *February 13 – March 10*

Chapter 14: Vibrations and Waves: *March 13– March 31*

Chapter 15: Sound: *April 3 - 21*

Chapter 16: Fundamentals of Light: *April 21 – May 5*

Year End Project *May 8-18*

If time permits we will also cover:

Magnetism

Quantum Theory

Nuclear Physics

Chapter 17: Reflections and Mirrors:

Rocketry: