

Physics Labs Course Planner for 2009-2010

- Teacher reserves the right to change this Course planner and update the website as deemed necessary.
- All of these experiments are found in the Text Book.

Experiment Number	Date	Description of the Lab
1		EXPERIMENT 1.1: Measuring Average Velocity
2		EXPERIMENT 1.2: Measuring an Object's Acceleration
3		EXPERIMENT 2.1: The Acceleration Due to Gravity Is the Same for All Objects.
4		EXPERIMENT 2.2: Determining a Person's Reaction Time
5		EXPERIMENT 2.3: Factors That Affect Air Resistance
6		EXPERIMENT 3.1: Vector Components
7		EXPERIMENT 3.2: Vector Addition
8		EXPERIMENT 4.1: The Two Dimensions of a Rubber Band's Flight
9		EXPERIMENT 4.2: Measuring the Horizontal Speed of an Object without a Stopwatch
10		EXPERIMENT 5.1: Inertia
11		EXPERIMENT 5.2: The Frictional Force
12		EXPERIMENT 6.1: Measuring Acceleration in an Elevator
13		EXPERIMENT 6.2: What Causes Rotational Acceleration?
14		EXPERIMENT 6.3: Measuring a Coefficient of Static Friction
15		EXPERIMENT 7.1: Centripetal Force

16		EXPERIMENT 8.1: Energy in a Pendulum
17		EXPERIMENT 8.2: Estimating the Work Done by Friction
18		EXPERIMENT 9.1: Egg Drop
19		EXPERIMENT 9.2: Momentum and Energy Conservation
20		EXPERIMENT 10.1: Hooke's Law
21		EXPERIMENT 10.2: The Characteristics of a Mass / Spring System
22		EXPERIMENT 11.1: Frequency and Volume of Sound Waves
23		EXPERIMENT 11.2: The Doppler Effect
24		EXPERIMENT 12.1: The Law of Reflection
25		EXPERIMENT 12.2: Real and Virtual Images in a Concave Mirror
26		EXPERIMENT 12.3: Measuring the Index of Refraction of Glass
27		EXPERIMENT 13.1: Attraction and Repulsion
28		EXPERIMENT 13.2: Making and Using an Electroscope
29		EXPERIMENT 14.1: Making a Parallel-Plate Capacitor and Storing Charge
30		EXPERIMENT 15.1: Current and Resistance
31		EXPERIMENT 15.2: Building a Simple Circuit to Turn on a Light Bulb
32		EXPERIMENT 15.3: Series and Parallel Resistors
33		EXPERIMENT 16.1: Oersted's Experiment
34		EXPERIMENT 16.2: Diamagnetic, Paramagnetic, and Ferromagnetic Compounds

(Original: 8/24/2009)