

Mr. Hamman

Lesson Plans

9/6/10 – 9/10/10

Honors Chemistry

Monday

No School – Labor Day

Tuesday

Finish Experiment A1 – Laboratory Procedures

Wednesday

1. Begin Chapter 2 - Measurements and Calculations

Section 2.1 - Scientific Method

Objectives:

- Describe purpose of Scientific method
- Distinguish between qualitative and quantitative observations
- Describe differences between hypotheses, theories, and models

2. CBL lab #2 - Freezing and melting of water

- In this experiment, the cooling and warming behavior of a familiar substance, water, will be investigated. By examining graphs of the data, the freezing and melting temperatures of water will be determined and compared.

Thursday

1. Section 2.2 - Units of Measurement

Objectives:

- Distinguish between a quantity, a unit and a standard measurement
- Name the SI units for length, mass, time, volume, and density
- Distinguish between mass and weight
- Perform density calculations
- Transform statements of equality to a conversion factor

Friday

1. Section 2.3 - Using Scientific Measurements

Objectives:

- Distinguish between accuracy and precision
- Determine the number of significant figures in measurements
- Perform operations using significant figures
- Covert measurements into scientific notation
- Distinguish between inversely and directly proportional