**Oersted’s Principle & RHR #1**

1. Setup the wires, battery, and compass to demonstrate Oersted’s Principle.
   1. Show your setup to Mr. Nestor
2. Describe what happens to the compass when you change the direction of the current.
   1. Draw two diagrams showing the direction of the current (both ways) and the   
      pointing of the compass
   2. Justify your answers by applying RHR#1

**Solenoids & RHR#2**

1. Setup the wires, battery, solenoid coil, and bar magnet to demonstrate electromagnetism.
   1. Show your setup to Mr. Nestor
2. Connect the current to demonstrate attraction between the solenoid coil and the bar magnet.
   1. Draw a diagram of your setup
   2. Justify your connection setup by applying RHR#2

1. Connect the current to demonstrate repulsion between the solenoid coil and the bar magnet.
   1. Draw a diagram of your setup
   2. Justify your connection setup by applying RHR#2