Electromagnet Lab

1. Determine how some factors affect the strength of the electromagnet.
2. Determine where the magnetic field (**B**) of the electromagnet is the strongest.
3. Use RHR to determine the direction of the magnetic field (**B**) inside the coil.
4. Use RHR to determine where the location of the electromagnet's North pole.

- Materials:
  - Core- Nail, Screw, Other?
  - Cause of Current: Voltage Sources-2 x 1.5 V AA batteries, 1 6V battery
  - Wire-1meter of your choice of wire.
  - Paperclips

- Different Lab Group will test different factors. Discuss which factor you will test & compare with the group next to you. You should be testing different factors.
- Record you plan.
- Do it.
- Record your Data.
- Summarize your Data.
- Discuss your data with the groups around you.