Energy and Electromagnetism Unit Test Study Guide

Test Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This test will be covering everything we have learned from Investigation 1 to Investigation 3. Please use the Key Ideas Guide, the Foss website and your Science spiral notes to help you study.

* You will be expected to know all the Key Ideas and apply them
* You will need to match the following terms to their definitions
  + System
  + Contact points
  + Transfers
  + Electrical Energy
  + Conductor
  + Closed Circuit
  + Mechanical energy
* Identify the parts of a series circuit and what each component does
* Draw a picture of a series and parallel circuit
* Know what happens in a series and parallel circuit if one bulb goes out
* Know that the D-Cell is the source of electricity in a circuit
* Understand why bulbs are dim in a series circuit
* Understand what and why materials stick to a magnet
* Be able to compare and contrast the magnetic and conductivity properties of objects.
* Earth is a magnet
* Understand what a magnetic field is
* Understand the difference between a permanent magnet and temporary magnet.