**Static Electricity Study Guide**

1. Know that objects can be either negative, positive, or neutral.
2. Know the three parts of the Law of Electrical charge.
3. Know that the force of attraction is affected by the amount of charge and the distance from the object.
4. Use these laws to explain and draw charge distribution in a given scenario.
5. Be able to interpret an electrostatic series chart.
6. Know and give examples of the three methods of charging objects.
7. Define insulators and conductors and give an example of each.

**Current Electricity Study Guide**

1. What are the basic parts of a circuit?
2. What is the difference between static and current electricity?
3. Be able to identify circuit diagram symbols and draw circuits from an image, including placement of ammeters and voltmeters.
4. What is the difference between a battery and a cell?
5. What are the two types of current?
6. Be able to read an ammeter dial.
7. Be able to convert between mA to Amps or KC to C
8. Be able to calculate current, Coulombs, time in seconds, or electrons from word equations.
9. Be able to define current, voltage, resistance.
10. Define Ohm’s law.
11. Be able to calculate current, voltage, resistance from word equations.
12. How is voltage affected in series vs parallel?
13. How is current affected in series vs parallel?
14. How are light bulbs affected in series vs parallel?
15. What are the major differences of the two types of cells. Where do we use them? – Not this year.
16. Identify the main parts of a cell and how a cell works. – not this year