**The Planets and Our Solar System**

All the planets in our solar system are different sizes and distances away from the sun and from each other. Often to understand these differences and distances we can use models to visually support our understanding. Based on the expectations of this assignment you can choose to complete your project on either the inner terrestrial planets or the outer gas giants. This project will include a written component as well as a physical model component. After choosing your planets you will need to complete the following tasks:

1. Research the relative sizes of your planets as well as the distances they are away from each other.
2. Research the characteristics of each planet and prepare a mini report on each. Your research should include pictures and diagrams as well as:
3. Who discovered your planet? When? How? Where?
4. How did the planet get its name?
5. Planet Measurements; mass, volume, circumference, gravity, length of a day and year
6. Describe what your planet looks like, including any special features such as how many moons it has. Mention what the weather conditions are like on your planets.
7. Build and colour a model of each planet in terms of its actual appearance and relative size. Be sure to determine an appropriate scale.
8. Set up your model so that it can be brought to the classroom and displayed to your classmates.

*This project requires you to show some creativity as well as the ability to accurately gather information from a variety of sources. It is important that your research component includes a bibliography with a list of sources. Do not rely on Wikipedia alone for your content as Wikipedia can often be misleading and inaccurate.*