**Two mini research projects due Thursday May 25 at the start of class**

**Project #1**: Using the iPads, you will look up the difference between a neap tide and a spring tide. Create a project that incorporates the moon phases and the type of tide that is created by that moon phase. You must describe WHY a neap tide or spring tide happens. A drawing of both types of tides is a requirement to your project! Projects must also include why knowing about tides are important – look into reasons that include ecology, boats, commercial fishing, travel, and alternative energy. Projects are due on Thursday and can be anything from a comic strip, a children’s book, a poster, a brochure or other creative idea. Use color and be neat for full credit.

**Extra credit –**  Describe some type of cultural event that relates to tides or a historical event that was planned using a specific phase of the moon that impacted tides. You must cite your sources for credit.

20 points

**Project #2:** Create a mini poster – 8 ½” x 11” copy paper size - on solar and lunar eclipses. Research the different types of eclipses and describe the position of the Sun-Earth-Moon. Be sure to include and label the penumbra and umbra in your project. Lastly, research when the next total solar eclipse will occur and add this to your project. Use color and be neat for full credit.

**Extra credit –**  Describe some type of cultural event that relates to eclipses or a historical event that takes in account eclipses. You must cite your sources for credit.

20 points