Earth Science 11

**Final Astronomy Assignment**

The BIG IDEA we have been investigating in this unit is…

***Astronomy seeks to explain the origin and interactions of Earth and its solar system.***

In this assignment, you have a chance to further explore this idea by focusing on a topic of interest to you.

Here’s what you need to know about the assignment:

* You can do it alone or with a partner (groups of three are not permitted).
* You will present your assignment to the class on Wednesday, June 21. A powerpoint presentation is a popular way to do this, but it’s not the only way. Let Mr. Q know how you plan to present your assignment. ***Your presentation should take about 5 minutes***.
* During your presentation, be prepared to answer questions about what you have shared.
* Here are some assignment ideas to get you thinking. Pick one of these, or let Mr. Q know if you have another topic you want to try.
  + Explore a First Peoples narrative based on what you have learned about astronomy.
  + Produce a timeline that documents the major events that have taken place from the big bang to the present, and relate the events to the evolution of our modern solar system.
  + Investigate where the solar system came from.
  + Explain why Earth is the only planet in our solar system that supports life. In doing so, compare it to Mars and Venus.
  + Debate the change of pluto’s status between planet and planetoid.
  + Create a model to relate the distances from the sun and the sizes of the planets.
  + Explore evidence of volcanism (current and past) on bodies in our solar system other than Earth.
  + Explore evidence of plate tectonics (current and past) on bodies in our solar system other than Earth.
  + Study a piece of technology that helps us investigate the universe. Find out who made it, where it went, how it works, and what we have learned from it. Mr. Q will show you a few ideas, but there are many more to choose from if you do a little research. Let Mr. Q know which technology you want to do to ensure there are no repeats.