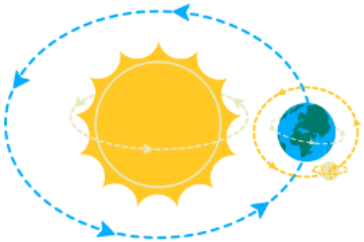
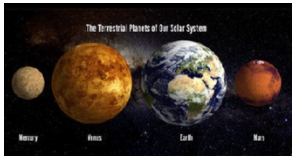
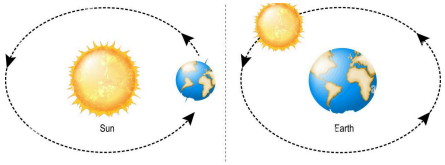
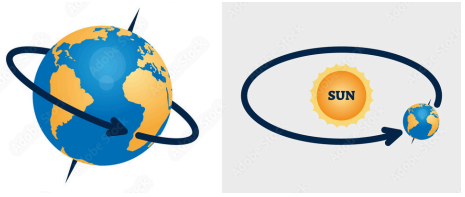
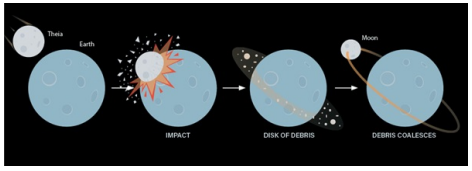
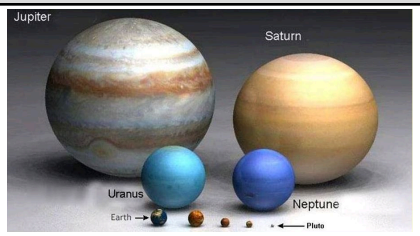
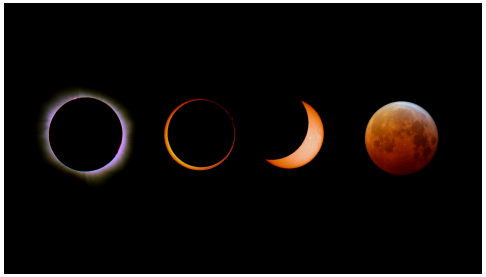
Unit Storyboard

Unit: 9th Grade Earth Science - Astronomy

			
Essential Question: How did early Astronomy philosophers contribute to the birth of modern Astronomy?	**Essential Question:** How do the motions of the Earth, Moon, and Sun affect natural phenomena?	**Essential Question:** What evidence is there to support the origin of the moon?	**Essential Question:** Why are the terrestrial planets so much smaller than the Jovian planets? What evidence is there to support this?
			
Learning Target: Compare and contrast geocentric and heliocentric models of the solar system.	**Learning Target:** Describe the movements of Earth known as rotation and revolution.	**Learning Target:** Explain the history of the moon.	**Learning Target:** List the major differences between the terrestrial and Jovian planets.

			
Learning Target: Explain the contributions to astronomy of Copernicus, Brahe, Kepler, Galileo, Newton.	**Learning Target:** Explain how eclipses occur.	**Learning Target:** Explain how the moon goes through phases.	**Learning Target:** Explain how the solar system formed.
"And yet it moves." *- Galileo Galilei*	***"Astronomy compels the soul to look upwards and leads us from this world to another."*** *- Plato*	***"It's a fixer-upper of a planet, but we could make it work."*** *- Elon Musk*	***"Two possibilities exist: either we are alone in the universe or we are not. Both are equally terrifying."*** *- Arthur C. Clark*

What will I do with this knowledge?

- You are a new and upcoming astronomer working alongside Sir Isaac Newton in developing and convincing the people of your discoveries and those before you:
  - ***Imagine all current research/information is known to you***
  - Develop a brochure or presentation identifying the major discoveries in astronomy over the centuries as well as the work you and Newton have recently found.