## **Planetary Poster**

Make a poster about one of the following planets or moons: Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, Europa, or Titan. Create the poster in a team of three. The poster should be on a large sheet of poster board, and should include a drawing or a picture of your planet or moon. Make sure your poster contains all of the required information listed below for full credit.

## **Poster Components:**

- 1. Name of your planet or moon
- 2. Mythological origin of your planet or moon's name
- 3. Order of this planet from the sun (first, second, etc.) or order this moon is from the planet
- 4. Average distance from the sun for planets or from the planet for moons in miles, kilometers, AND astronomical units
- 5. Period of rotation (length of day)
- 6. Period of revolution (length of year)
- 7. Average density, g/cm<sup>3</sup>. Compare the average density of your planet or moon with Earth's average density
- 8. Temperature range, high and low in Fahrenheit AND Celsius
- 9. Diameter in miles and kilometers. Compare the diameter of your planet or moon with that of Earth.
- 10. Compare the gravity of your planet or moon with Earth's gravity. If an object weighed 100 pounds on Earth, how much would it weigh on your planet or moon?
- 11. List the most common elements present and their physical state (solid, liquid or gas). Compare these elements to those most commonly found on Earth.
- 12. Describe the atmosphere (if any) on your planet or moon. List the gases present and their percentages.
- 13. Compare this to the Earth's atmosphere.
- 14. How many moons does your planet have? (If your planet has more than five moons, just name five.)
- 15. What probes have been sent or are planned to be sent to your planet or moon? Include names of the missions, when they were sent or are planned to be sent. What information have they found out about your planet or moon?
- 16. What does your planet or moon look like? Describe its surface features, such as volcanoes, craters or canyons. Does your planet or moon have rings? Describe the rings. Compare the planet or moon's surface features to those on Earth.
- 17. Based on what you have learned, do you think life could exist on your planet or moon? Think about what conditions a living organism would have to adapt to in order to survive on your planet or moon when answering your question. Remember, life doesn't necessarily mean life as we know it on Earth!
- 18. Cite all references for information and pictures. Can use EasyBib.com.

## Helpful Links:

http://solarsystem.nasa.gov/index.cfm

http://www.windows.ucar.edu/

http://www.nineplanets.org/ http://pds.jpl.nasa.gov/planets/

## **Planet Poster Project Rubric**

	Requirements #1-9	4 POINTS EACH	Comments:	
	1. Name			
	2. Origin of name			
	3. Order from the Sun			
	4. Distance from the Sun (miles, km, and AU)			
	5. Period of rotation			
	6. Period of revolution			
	7. Density and Earth comparison			
	8. Temperature range (°C and °F)			
	9. Diameter (miles and km) and Earth	h comparison	Points earned	/36
	Requirements #10-16	7 POINTS EACH	Comments:	
	10. Gravity compared to Earth and w			
	11. Most common elements and Ear			
	12. Atmosphere percentages and Earth comparison			
	13. Moons names, descriptions, and comparison			
	14. Probes names, dates, and data			
	15. Appearance, surface features, and comparison			
	16. Life forms prediction		Points earned	/49
	Requirement #17	<b>5 POINTS</b>		
	17. Works cited		Points earned	/5
	Appearance	<b>10 POINTS</b>	Comments:	
	<ul><li>Well-organized, colorful, professional</li><li>Includes relevant graphics</li></ul>			
	<ul> <li>Minimal grammatical or spelling errors</li> </ul>			
			Points earned	/10
	TOTAL		/100	