Our Solar System – Planet Research

Nam	ne	Topic	Period
1)) Using clay, you will be creating a scale group. You will need to know the actual the MOST INTERESTING fact about ea	diameter and the scale	ed diameter as well as finding
2)	 You will be assigned a specific planet the class about in your video. Use your sciences research on your assigned objects. If you links provided, you don't need to make ◆ At least 3 times when discussing effect relationships. Include more cause and effect explanations ar 	ence book, library books ou stick with the science a bibliography! Yay! your assigned planet y e than 3 explanations if	s, and the links provided to do e book, library books, and the rou need to explain cause and you are able. Make sure your
3)) Individually, you will be making a video, photos of the planet, their scaled and a		•
The fo	following questions should be answere	ed and included in you	ur video:
'The	e name of the planet you are studying. Is t	his an inner or outer pla	anet? Gas or rock?
• Expl	plain how and why the name of the planet	is connected to Mytholo	ogy.
• Wha	at is your object's relative distance from tl	ne sun (ie Earth is the 3	rd planet from the sun)

• Spaceships travel at varying speeds, but a reasonable average speed is 35,000 mph. Assuming a constant speed of 35,000 mph, how long would it take a spaceship to travel from the sun to your planet (if you are studying a moon, use the distance to the planet)? Use dimensional analysis to find your answer! You decide what units (seconds, minutes, hours, days) make the most sense for your results.
 Provide the average temperatures on this planet (include the difference between daytime and nighttime temps, if available). Include other interesting information about the weather. Cause/Effect opportunity!
 Describe what the atmosphere of the planet consists of. Cause/Effect opportunity!
 What is the planet composed of? Describe any signs of water and/or ice on the planet. Describe surface features. Is there volcanic activity?
• If the planet has moons, tell how many there are, and give information about some of them.

Determine how much a 100 pound person would weigh on this planet. (What causes the difference?) Cause/Effect opportunity!
 Determine how old a person would be on this planet if they were 14 years old on Earth. What causes this difference? Cause/Effect opportunity!
 Compare the length of a day and the length of year to a day and a year on Earth. What causes these differences? Cause/Effect opportunity!
 Describe past, current and pending (upcoming) space missions to explore and/or photograph your planet.
Other interesting, unique facts/characteristics of your planet/asteroid/moon.