

Specific Science Expectations Addressed:

- Identify components of the solar system, including the sun, the earth, and other planets, natural satellites, comets, asteroids, and meteoroids, and describe their physical characteristics in qualitative terms.
- Use a variety of forms (e.g., oral, written, graphic, multimedia) to communicate with different audiences and for a variety of purposes.

Each student has selected a planet, the moon, or the sun to research. In this task, students are expected to evaluate the usefulness of different information sources and summarize that information in their own words to share with their peers. Students will be becoming the experts on their planet or component of the solar system. They may choose from the list below on how they are going to present their information. Some research is done at school, however, students will need to work at home as well and the creation (e.g., models) must be done at home. On **January 29, 31, February 3, 5, 7 and 11**, students will be given class time to work on the written component and conference with Mrs. Strampel about their assignment. If this class time is spent appropriately, then this should be more than enough time to complete the assignment. All tasks are due on **Wednesday, February 12, 2020**, when we will be having a class gallery presentation where peers will be able to listen, read or watch others work.

Task Options:

1. Write a report about your component of the solar system and explain its characteristics and surface conditions.
Structure of the Report:
You must have an introductory and closing paragraph. The report should be at least five paragraphs long and should clearly describe your planet. The report should also include a References list.
2. Create a model of the component of the solar system that you are researching and present your model to the class.
3. Write a short story about space travel incorporating the component of the solar system you are researching. How long would it take you to get there? What would you see when you arrived? Could you walk on the planet? What kinds of things would you experience?
4. Create a travel brochure for your planet highlighting all of its amazing features and why people/aliens should want to travel or move there.
5. Design and build a three-dimensional model of an alien that has adapted to the specific characteristics and environmental conditions of your chosen planet/moon/solar system component. Next, write a description of your alien that fully explains its characteristics and how these special features help it to survive on its home planet. Try making people guess what planet your alien would live on.
6. Create a slideshow highlighting the important characteristics of your planet and present it to the class.
7. Create a Wordle about your planet and then write a description explaining how each of the words you used relate to your planet.
8. Write a poem describing your planet.
9. Create a cartoon about our planet
10. Create a song that demonstrates your understanding of this unit.
11. Design a poster advertising all your planet has to offer aliens and/or people
12. Create an informational commercial describing your planet to play on television