

## Solar System Project~Small Celestial Bodies

Students will conduct a short research project that uses several sources of building knowledge through investigation of different aspects of a topic. They will use relevant information from their gathered relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and **provide a list of sources**. You may choose to do a tri-fold board, write a report (with pictures), or do a Google presentation.

### Project Requirements:

Each student may create a Google presentation, tri-fold board or write a report for a planet or other celestial bodies (asteroids, comets, and meteoroids) in our solar system. Each presentation must include the following:

1. Title Page: This slide/page/visual must include the celestial body names, student name, teacher, and date.
2. Celestial Body Definition Page: This slide/page/visual must include definitions of each body and a photo of each.
3. Celestial Body Location Page: This slide/page/visual must identify where the bodies are located in our solar system. Also, include information about their travel patterns.
4. Composition and Size Page: This slide/page/visual must identify the composition of the bodies. What are they made up of? How are they formed? Include information about their size, compared to each other and to planets.
5. Visibility Page: This slide/page/visual must describe the visibility of each celestial body. How can they be seen? Naked eye? Telescope? Observatory? Also, include any information about famous asteroids/comets/meteoroids.
6. Close Encounters Page: This slide/page/visual must include information about asteroids/comets/meteoroids that have hit the earth. What happened when they did? Include photos.
7. Asteroid Belt Page: This slide/page/visual must include information on the Asteroid Belt. How is it divided? Where did it come from? Share interesting facts about it.
8. Photos or Clip art: Each slide/page/visual must include at least one photo or image that enhances the page.
9. Interesting Facts Page: Include any other interesting facts you may have learned about small celestial bodies.
10. Compare/Contrast Page: You must include a double-bubble map comparing 2 celestial bodies.
11. Photos or Clip art: Each slide/page/visual must include at least one photo or image that enhances the page.

12. Error Free: Each slide/page/visual must be free of spelling and grammar errors.

13. Accuracy: Each slide/page/visual must contain factual information about the planet.

14. Resource Page: Throughout your research you must include at least 5 different sources of information, and one MUST be from a book or magazine. You must accurately cite your sources.

Due Date:

Your presentation will be due on January 15th, 2015.

Topic:

You are researching the following: \_\_\_\_\_.

Other Important Information:

\_\_\_\_\_ I will be providing you with a template for your google presentation/page/visual. You will need to "make a copy" of the template and save the copy as "first initial, last name planet project". Once you have made a copy, you can begin to research. You will have one class session at school to complete this project. However, any additional time needed to complete this project will need to be done at home. You have already had 2 full science days to do research. It will be important for you to use the rubric attached while completing your research so that you include all required information.

Please review this packet with your parents and have them sign below. Write down any questions you have and return to school on \_\_\_\_\_.

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Please cut and return the bottom portion.

Solar System Project

I have read the requirements of the Solar System project and understand what is expected of me.

Student Name\_\_\_\_\_

Parent Signature\_\_\_\_\_

Questions:

Name \_\_\_\_\_

Planet \_\_\_\_\_

Solar System Project  
Rubric

You will be graded on the following criteria for your research:

Title Page: (5 points) \_\_\_\_\_

(Title, Name, Date & Class, Photo, Error Free)

Location: (6 points) \_\_\_\_\_

(Location, Inner/Outer, Orbit information, Photo, Accuracy, Error Free)

Composition (4 points) \_\_\_\_\_

(Rocky/Gas, Details about composition, Photo, Accuracy, Error Free)

Moons & Rings (5 points) \_\_\_\_\_

(Moons Details, Rings Details, Photo, Accuracy, Error Free)

Unique Characteristics ( 5 points) \_\_\_\_\_

(3 Unique Characteristics, Photo, Accuracy, Error Free)

Resources ( 5 points) \_\_\_\_\_

(At least 3 different sources used, accurate/complete citation of sources, Photo, Accuracy, Error Free)

**Total Points (30 points) \_\_\_\_\_**

Comments:

Name \_\_\_\_\_

Planet \_\_\_\_\_

STUDENT SELF- EVALUATION  
Solar System Project  
Rubric

Please review your planet presentation and give yourself a grade. Use the following criteria:

Title Page: (5 points) \_\_\_\_\_  
(Title, Name, Date & Class, Photo, Error Free)

Location: (6 points) \_\_\_\_\_  
(Location from the sun, Inner/Outer, Orbit information, Photo, Accuracy, Error Free)

Composition (4 points) \_\_\_\_\_  
(Rocky/Gas, Details about composition , Photo, Accuracy, Error Free)

Moons & Rings (5 points) \_\_\_\_\_  
(Moons Details, Rings Details, Photo, Accuracy, Error Free)

Unique Characteristics ( 5 points) \_\_\_\_\_  
(3 Unique Characteristics, Photo, Accuracy, Error Free)

Resources ( 5 points) \_\_\_\_\_  
(At least 3 different sources used, accurate/complete citation of sources, Photo, Accuracy, Error Free)

**Total Points (30 points)** \_\_\_\_\_

Comments: