

Journey Into Our Solar System

WebQuest Description: STANDARD 4. Develop an understanding of the properties of Earth materials, objects in the sky, and changes in Earth and sky. f. Compare and contrast the physical characteristics of the planets (e.g., mass, surface gravity, distance from the sun, surface characteristics, moons).

Grade Level: 3-5

Curriculum: Science

Keywords: Solar System, planets, comets, asteroids, earth

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WebQuest URL: <http://zunal.com/webquest.php?w=196062>

Introduction

Today you will explore our Solar System? When you look up to space do you ever wonder what is out there? What are the many features of our Solar System? Could Life exist on other planets besides our beautiful Earth? Discover the many aspects of our Solar System through this interactive webquest. Find out what is unique about our planet Earth and the many objects in our galaxy. Many exciting adventures await you.

Tasks

You will visit many aspects of our Solar System. As you discover the many objects of our Solar System you will complete the "Solar System Worksheet". For your final project you will choose a planet that has interested you most and create a poster. The poster must contain pictures and at least 5 facts about your planet. You will then present to your classmates and tell why this planet was so interesting to you.

Process

1. Print the "Solar System worksheet available in the Resource tab. Watch the video Solar System 101 and visit Planets for Kids and Eyes on the Solar System to help complete the worksheet. 2. Final Assignment Return to the Planets for Kids Site. Choose one planet to investigate. Create a poster of your planet. Be sure to include pictures and at least 5 interesting facts to present to classmates. Tell why you find it interesting and why you feel your classmates will too. Once you have finished Complete the Planet Quiz for your planet. Visit any of the following sites to explore more about the planets. Kids Astronomy Solar System Exploration BrainPop Most importantly HAVE FUN!

Evaluation

Each student will get an individual grade based on this rubric. It will be scored based on numbers 1 through 4. Four being the highest number you can achieve, and 1 being the lowest number you can achieve. 1234 Score: Students used time effectively. No effort was put into the web quest. Class time was not used responsibly. Little effort was put into the web quest. Most effort of the student was put into the web quest. The student used class time efficiently and stayed on task. 1-4 All facts were found correctly. No facts were displayed or found correctly. Little facts were displayed or found correctly. Most of the facts were displayed and found correctly. All facts were displayed and found correctly. 1-4 Illustrated pictures were present No picture illustration, or not handed in on time. Illustration was there, but not clear. Illustration displayed somewhat of a clear picture. Illustration displayed a clear and accurate picture. 1-4 Illustrations were presented correctly, with 5 interesting facts There was no explanation. Refused to present. Many spelling errors. Little explanation was displayed. Some spelling errors. Interesting Facts were displayed with good sentence structure, and little spelling errors. Interesting facts were clearly displayed with no spelling errors. 1-4 Total Score: ____/16

Category and Score					Score
				Total Score	

Conclusion

Congratulations! You have completed your Journey Into Our Solar System. I know you feel awesome now that you are an expert on our Solar System. You can now share the knowledge you have gained with family and friends. Let's think about a few things you have learned. Feel free to visit many of the available websites to explore more about our incredible solar system.What is Home to our Solar System? What is the Solar System made of? What is the center of our Solar System? Which planets are rocky and which are gaseous?

Teacher Page

This Web Quest is great for grades 3-5 to increase their knowledge of Our vast Solar System and discovery of the objects that it consists of. It helps students to interact with the objects in space and make sense of the world around us. Students tend to relate to only the Earth in which we live on. This helps them to discover the planets that are near and far and how small our earth actually is.

Standards

2010 Mississippi Science Framework

EARTH AND SPACE SCIENCE

4. Develop an understanding of the properties of Earth materials, objects in the sky, and changes in Earth and sky.

f. Compare and contrast the physical characteristics of the planets (e.g., mass, surface gravity, distance from the sun, surface characteristics, moons). (DOK 2)

Credits

Google images

Nasa

Kids astronomy

National Geographic for Kids

BrainPop

Other