

Into Space

WebQuest Description: Students will be able to discover and explore the planets and some of their characteristics from the solar system.

Grade Level: 9-12

Curriculum: Science

Keywords: solar system, planets, space

Published On:

Last Modified: 2017-09-04 02:58:20

WebQuest URL: <http://zunal.com/webquest.php?w=360343>

Introduction

GREETINGS ASTRONAUTS!! Welcome to the Solar System! Our solar system is an exciting place that is full of planets, stars, comets, asteroids, moons, and many other mysterious objects. Imagine you are an astronaut and you are about to explore the many mysteries of the solar system. You will explore and visit all eight planets of our solar system and will learn important facts about each of them. Make sure to take notes as you visit each planet to share with your classmates when we come back to planet Earth. So get ready, ASTRONAUTS, to embark on an incredible journey through the Solar System!

Tasks

Ready to launch in 10... 9... 8... 7... 6... 5... 4... 3... 2... 1... and LIFTOFF! We have liftoff of the Webquest Rocket carrying the Planets Prospector spacecraft to the SPACE! We will now begin a new Space Exploration, so all of the Astronauts (students) have the job to create a digital presentation about the solar system. Ideas may include prezis, powtoon, or a PowerPoint presentation. You will also answer the questions provided by the Mission Control Team (Teacher). You will show to all your classmates the solar system presentation and explain your project. Good luck, Astronauts!

Process

As you begin your journey, make sure you take good notes when you visit each planet. Click here to discover all the information you need from each planet of the solar system. You will explore important facts that will help you create your solar system digital presentation. But first, the Mission Control Team guides you to answer the following questions related to the planets and some of their features. They must be sent to the Mission Control Team email: maryfe0122@gmail.com in a word document format. Do not forget to write your name astronauts. Name all the eight planets in order from closest to the sun. Which planet is about the same size as Earth? Where does the Asteroid Belt mostly orbit? What is the largest planet on the Solar System? What in the name of the spacecraft that orbits Jupiter? and, when did the spacecraft arrive at Jupiter? Which planet has two sets of rings and 27 known moons? What is Triton? After you have done the trip to all the planets, you have a new mission to go specifically to Saturn planet in the same page provided before and find the spacecraft that orbits around the planet, click on it and unlock the description by playing and advance in the game. If you do not find the game click here and follow the steps one more time. You must submit the name and description of the spacecraft in the previous document as question number 8. You are now ready to come back to Earth! Remember to create your digital presentation, make sure that the order of the planets are clearly displayed and that each planet is labeled and has a small description. Be sure to include at least two facts about each planet in your descriptions. You may make a prezis, powtoon or a PowerPoint presentation. Other visual displays must be approved by the Mission Control Team before you begin. Be creative and have fun, Astronauts!

Evaluation

Scroll down to the rubric below to see how you will be graded on your word document and digital presentation of our solar system.

Category and Score	1	2	3	4	Score
Word Document	Never delivered	Delivery not on time	One day late	Delivery on time	10
Word Document	Four or more answers mistaken	Three answers mistaken	Two answers mistaken	All answers correctly	30
Presentation	Delivery not smooth and audience attention often lost.	Delivery not smooth, but able to maintain interest of the audience most of the time.	Rehearsed with fairly smooth delivery that holds audience attention most of the time.	Well-rehearsed with smooth delivery that hold audience attention.	40

Category and Score	1	2	3	4	Score
Presentation/organization	There was no clear or logical organizational structure, just lots of facts.	Content is logically organized for the most part.	Uses headings or bulleted lists to organize, but the overall organization of topics appears flawed.	Content is well organized using headings or bulleted lists to group related material.	20
				Total Score	100

Conclusion

You made it back to planet Earth! I hope you learned a lot about the eight planets of our solar system and I hope you have enjoyed the journey. I look forward to watching your presentations and seeing your visual models of our solar system! WELL DONE!

Teacher Page

This webquest is designed for students to explore and investigate the planets of the solar system. The students will be able to name all eight planets of the solar system in order of distance from the sun. The students will also identify some important details about the planets.

Standards

The students will also create a digital presentation of our solar system.

Credits

Webquest - Journey Through the Solar System - by Angie Dean <https://spaceplace.nasa.gov/>

Other