

Stage 3 Earth in Space Homework

This term in Science, Stage 3 are looking at the topic *Earth in Space*. Homework for Term 1 will include activities that relate to the work that we are doing in our Science lessons at school and will assist in helping students understand the universe in which we live.

Week 4 - Quiz yourself - Space Quiz

This is a quiz to see what you already know about Space and the Solar System. Try your best and do the questions on your own in your homework books. Remember, it is just to see what you already know - we will be covering this content in class and in future homework weeks so don't worry if you don't get them all correct!

Quiz

1. How many planets in the solar system?
2. Can you name all the planets in the solar system?
3. What galaxy is our solar system apart of?
4. What is the largest planet in our solar system?
5. What is the smallest planet in our solar system?
6. What is at the centre of our Solar System?
7. Which planet of the Solar System has the most moons?
8. How many days does it take for Earth to revolve around the Sun?
9. What planet is most similar to Earth in our Solar System?

Week 5 - History of the planets

Select two planets apart from Earth and create a poster or PowerPoint to display the information

Question	Planet	Planet
Why did you select to research this planet?		
When and who discovered this planet?		
How did this planet get its name? What connection does it have to Greek or Roman beliefs? Provide a picture of your planet		

Describe what this planet looks like from space? Provide a picture of your planet		
What does the surface of this planet look like?		
What are the average temperatures of this planet? (Temperature during the day and night)		
How many moons does this planet have? (Name the main moons of this planet)		
How far away from Earth and the sun is this planet?		

Week 6 to 10 - Creation of your own model of the Solar System

Over four weeks, you are going to create a model of the Solar System. Your model should include all of the planets in their correct order from the sun and you should try and use materials that will accurately represent the size and colour of each planet. In week 10 you will present your model of the Solar System to the class and explain what materials you used to create it.

Handed in with your model of the Solar System, you should include a separate page including the following information;

- The materials that you used to create your model
- Any difficulties that you had while creating your model

You should also include the following information about each of the planets

- Distance from the sun
- Average temperature of each planet
- An interesting fact about the planet

Below is an outline of what should be completed by the end of each week to ensure you complete the task on time:

By week 7 you should:

- Begin researching the information you will need about each planet;
- Have a list of the materials that you want to use to create your model;
- Have a design of your model on paper to show your teacher;
- Begin collecting the materials you will need.

By week 8 you should:

- Begin putting your model together.

By week 9 you should:

- Be at least half way in putting your model together;
- Have compiled all the information from your research of each of the planets and put into a single document to give to your teacher;
- Adjust the list of materials that you have used for the building of your model.

By week 10 you should:

- Have completed your model;
- Have completed your research on the planets;
- Hand in your model and research in by **Friday week 10**.

By week 11 you should:

- Be ready to present to class your presentation.