

Year 5 Home Learning

Topic & science

This spring term our topic is 'Space Explorers'. We will be learning about astronomy and space through Science and History.

Our science topic is 'Earth and Space'.

Proper Project

Moon Phases

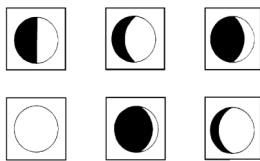
Discuss with someone at home the following questions:

- Is the moon visible in the sky every night? If not, why not?
- Is it always the same shape and in the same place? Why might this change?

Look at the pictures below and put them in order of how you think they will appear in the sky.

Over a two week period, go outside every night soon after sunset and observe the moon. Create a chart and draw a picture of the moon's shape as it appears each evening. Remember to write the date next to the picture. (If it happens to be cloudy, draw a cloud on your chart).

After 2 weeks, compare your drawings of the moon with your prediction. Can you predict the shape of the moon?



Let's talk...

Space exploration is expensive. In fact, last year NASA spent more than \$17 billion on trying to find out more about outer space. Scientists say that it is important to know more about our universe, but others argue that, since very few of us will ever go into space, the money would be better spent here on earth helping people in need. What do you think? Jot down your thoughts and bring them in to school to discuss with the class.

Create 'n Make

Can you design your own planet based on what you have learnt so far about the planets in our solar system. Paint, draw or model an artistic vision of what the planet would look like then label it.

Consider the following questions: What are its atmospheric gases? Is there any water on the planet or other liquids? Is the surface of the planet solid? Are other planets or moons visible in the sky? Does the planet have any life forms? What do they look like?

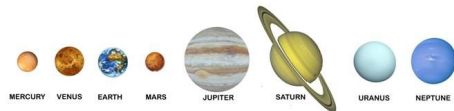
Time: 1 hour



Espanol

See if you can find out the names of all the planets in Spanish. Draw a diagram of them in order and write a sentence about each one relating to its colour or its position from the sun. Use these sentence stems to help you:

Eg. *Neptuno es morado* = Neptune is purple
Es el octavo planeta = It's the eighth planet.



Out and about...

You could visit:

- The Science Museum
- The Royal Observatory in Greenwich