

## Brentside Knowledge Organiser - Science

<b>Year: 3</b>	<b>Topic:</b> Will we ever live on another planet?	<b>National curriculum:</b> Earth and Space
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### What I should already know:

I know that we have four seasons (autumn, winter, spring and summer).  
 I know that the Sun is a source of light but the Moon is not.  
 I know that a shadow is caused when an object blocks light from passing through it.

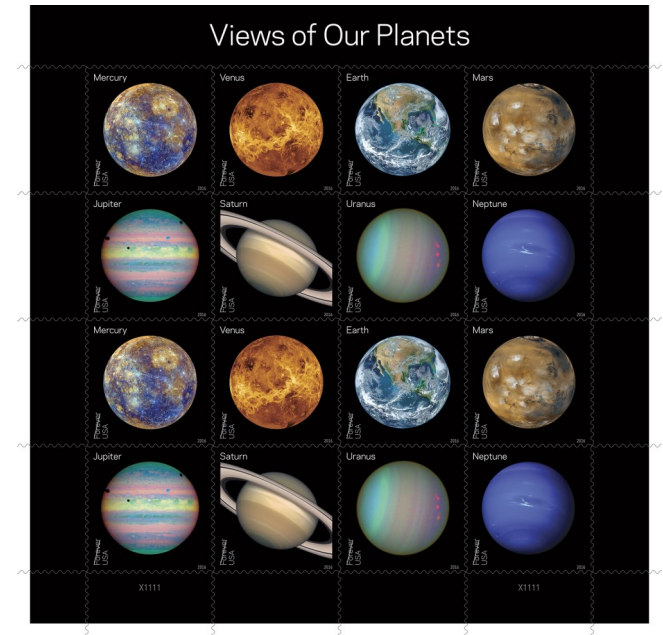
### What I should know at the end of the topic:

- I can identify different planets.
- I can explain what causes day and night.
- I can explain the different seasons.
- I can describe the properties of the solar system.
- I can ask relevant scientific questions.
- I can use different ideas and suggest how to find something out.

### Investigate:

Compare the time of day at different places on Earth.  
 How temperature effects materials.  
 Keep a moon diary.

### Diagrams:



### Vocabulary

Gravity	The force which causes things to drop to the ground.
Orbit	The curved path in space that is followed by an object going round and round a planet, moon, or star.
Sun	The star at the centre of the solar system that gives off light or warmth.
Sphere	An object that is round in shape like a ball.
Shadow	A dark shape on a surface that is made when something stands between a light and the surface.
Star	A large ball of burning gas in space.
Solar system	The Sun and all the planets that go round it.