

Key facts:

- Mercury, Venus, Earth and Mars are rocky planets. They are mostly made up of rock and metal.
- Jupiter, Saturn, Uranus and Neptune are mostly made up of gases (helium and hydrogen).
- The moon orbits Earth in an oval shaped path whilst spinning on its axis.
- It appears to us that the sun moves across the sky during the day. However, it does not move at all. It is the movements of the Earth.
- Earth rotates on its axis. It does a full rotation once in 24 hours. It takes a little more than 365 days for the Earth to orbit the sun.

Important questions:

What is the order of the planets?
What are some features of each planet?
Why does the moon look like its changing shape?
Why do the planets orbit the sun?
Has anyone been into space?
How does day become night?

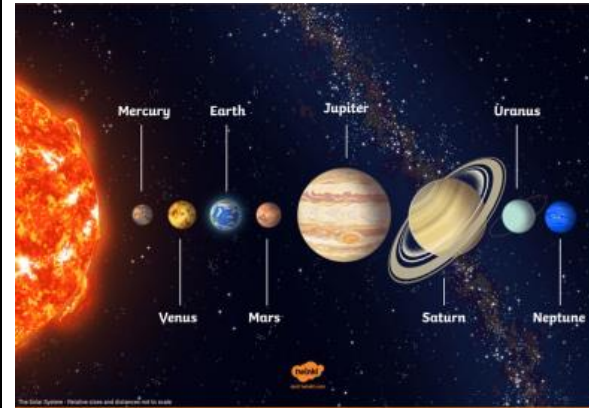
Key skills for you to practice:

- Research into different planets to learn about their appearance etc.
- Analyse different theories about Earth e.g. is the Earth round or flat?
- Develop knowledge and understanding into how night and day are formed.

Hopton Primary School

Knowledge Organiser for KS2 Year 5 Topic: Science - Space

Key images to discuss



What do we need to learn?

The order of the planets and properties/features of each planet.
How night and day are formed.
Why the moon looks different each night.
People who have been to space and what they have done.

What I should already know:

KS1	That there is more than one planet in the solar system. Understand the sun provides heat.
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Links to Future Learning:

KS3	Understand how forces (gravity) have an effect on planets
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Key Vocabulary:

Word	What does it mean?
Sun	A huge star that Earth and other planets in our solar system orbit around.
Star	A giant ball of gas held together by its own gravity.
Moon	A natural satellite which orbits Earth or other planets.
Planet	A large object, round or nearly round, that orbits a star.
Orbit	To move in a regular, repeating curved path around another object.
Rotate	To spin e.g. Earth rotates on its own axis.
Axis	An imaginary line that a body rotates around.