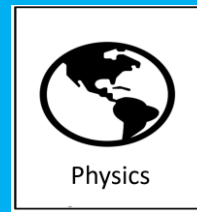


Earth and Space

Year 5



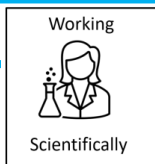
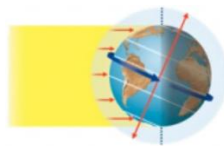
Review:

What should I already know?

- I know the difference between night and day. (EYFS) .
- I know the changes in weather patterns and seasons (Year 1) .
- I know that there are different time zones based on the hours of daylight. (Geography - Year 3)

Essential knowledge

- I will learn that the sun is the centre of solar system (heliocentric).
- I will learn that people used to think that the Earth was the centre of our solar system (geocentric).
- I will learn that there are eight planets in our solar system and they are spherical in shape.
- I will learn that when the Earth spins on its axis, one side faces the sun and experiences daylight and the other side faces away and experiences night.



Skills I will need:

- I will generate my own questions about space and the Earth and research the answers.
- I will record data found from my research when comparing planets. • I will evaluate with help from a partner.
- I will research arguments around the shape of the earth and the model of the universe draw conclusions from my research and report my findings

Vocabulary

Physics	is all about working like a scientist to answer scientific questions.
Working Scientifically	Is all about working like a scientist to answer scientific questions.

Planet	A celestial body which orbits a star
Solar system	The collection of eight planets and their moons in orbit around the sun.
Rotation	The action of rotating around an axis or centre.
Axis	An imaginary line about which a something rotates.
Orbit	A course that a celestial object repeats around a star or planet.
Geocentric	The incorrect belief that the earth is at the centre of the solar system.
Heliocentric	The correct belief that the sun is the centre of the solar system.

Etymology

Orbit	comes from an old Latin word, orbita, meaning a "wheel track" or "rut," like the path a cart makes in the mud.
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Our enquiry focus:

Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	Fair Testing	Research
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