



Meadow Vale Primary School



Topic: Stargazers
(Earth and Space)

Subject(s): Science

Year: 5

What should I already know?

- **Earth** is the planet we live on.
- The **sun** provides heat and light.
- **Earth** has a moon.
- Time facts: 365 days in a year, 12 months in a year, 24 hours in a day.

Vocabulary

orbit	The path of a celestial body
rotation	To spin or turn
solar system	A star and everything that travels around it
planet	A celestial body that revolves around the sun
cosmic	Related to space
galaxy	A collection of star systems
sun	The star at the centre of the solar system
lunar	Relating to the moon
universe	Everything that exists anywhere
spherical	Shaped like a sphere
satellite	Any celestial body orbiting around a planet or star
celestial body	An object in space

Sequence of planets from the sun

Mercury	The smallest planet
Venus	The largest in the sky from earth
Earth	The only planet with water on its surface
Mars	Known as the 'red planet'

Asteroid belt

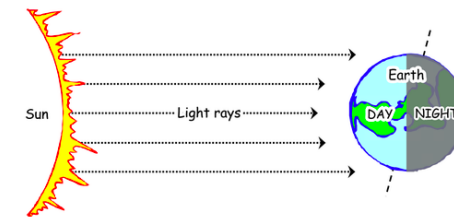
Jupiter	The largest planet, a gas giant
Saturn	Famous for its rings, a gas giant
Uranus	A gas giant
Neptune	Blue in colour due to high methane levels
Pluto	This used to be a planet but is now known as a 'dwarf planet'

Mnemonic to recall the order of the planets
"My Very Easy Method Just Speeds Up Naming Planets"

Famous astronauts

Yuri Gagarin - First man in space on VOSTOCK 1 spacecraft (1951)
Valentina Tereshkova - First woman in space from Russia on VOSTOCK 6 (1963)
Neil Armstrong - First man on the moon in APOLLO 11 (1969)
Helen Sharman - First British astronaut in space (1991)
Tim Peake - Most recent Briton to go into space (2015)

Day and night diagram



Phases of the moon diagram

