St. Paul's C of E VA Primary and Nursery School
Knowledge Organisers

Year Group: Year 5
Topic: Earth and Space

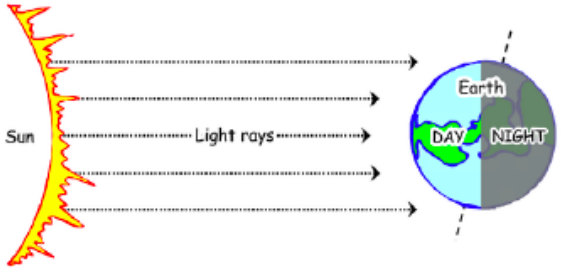
Vocabulary Dozen	
Orbit	The path of a celestial body
Rotation	To turn or spin
Solar System	A star and everything that travels around it
Planet	A celestial body that revolves around the sun
Cosmic	Related to space
Galaxy	A collection of star systems
Sun	The star at the centre of a solar system
Lunar	Relating 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 Sun	
1	Mercury – the smallest planet
2	Venus – the largest in the sky from earth
3	Earth – the only planet with water on its surface
4	Mars – Known as the 'Red Planet'
	ASTEROID BELT
5	Jupiter – the largest planet, a gas giant
6	Saturn – famous for its rings, a gas giant
7	Uranus – a gas giant
8	Neptune – blue in colour due to high methane levels
9	Pluto – This used to be a planet but is now known as a 'Dwarf Planet'

<u>Mnemonic to recall the order of planets</u>

"My Very Easy Method Just Speeds Up Naming Planets"

Day and Night Diagram



Year	Space Mission
1951	First Dog in space – Laika
1961	First man in space – Yuri Gagarin
1969	First moon landing - Apollo 11

Quotations

"The *Eagle* has landed."

"That's one small step for man, one giant leap for mankind."

Famous astronauts

Yuri Gagarin – First man in space on the VOSTOCK 1 spacecraft (1951)

Alan B Shepherd Jr – First American in space on FREEDOM 7 spacecraft (1961)

Valentina Tereshkova – First woman in space from Russia on VOSTOCK 6 (1963)

Neil Armstrong – First man on the moon in APOLLO 11 (1969)

Tim Peake – most recent Briton to go into space (2015)

Time Facts

It takes 28 days for the moon to orbit earth

It takes 365 and 1/4 days for earth to orbit the sun

It takes 24 hours for the earth to rotate on its axis once

Every four years we have an additional day on Feb 29th – this is called a *leap year*.