

What I need to know: Y5 Science – The Solar System

We nurture the curiosity to learn, the courage to lead and the compassion to care.

Name:

Class:

For this half term we are learning about the Solar System and exploring Earth's relationships with the sun, moon and the other planets in Space.

What I will know...	✓	Start	End
How to explain Earth's relationship with the Sun and our moon		<input type="radio"/>	<input type="radio"/>
How the orbiting of Earth around the sun, and the moon around Earth creates day and night		<input type="radio"/>	<input type="radio"/>
How to use scientific evidence to explain how we know that planets are spherical bodies		<input type="radio"/>	<input type="radio"/>
The names of all the known planets in the Solar System		<input type="radio"/>	<input type="radio"/>
The order of the planets from closest to furthest away from the Sun		<input type="radio"/>	<input type="radio"/>
That different planets have different properties and behave differently		<input type="radio"/>	<input type="radio"/>
How various elements of the solar system co-exist in Space		<input type="radio"/>	<input type="radio"/>
How the Earth's orbit of the Sun creates our seasons		<input type="radio"/>	<input type="radio"/>

Skills I may use...	
Remember: name, identify, describe	Analyse: investigate, infer, select, clarify
Understand: predict, recall, interpret	Create: plan, design, construct
Apply: use, show, relate, demonstrate	Evaluate: compare, assess, judge

Vocabulary I need to know...		
1. I have heard the word, but I don't know what it means	2. I understand what the word means	3. I can explain what the word means and give other examples
Orbit, spherical bodies, axis, gravitational pull, atmosphere, solar system, galaxies, matter, star, moon, planet, rings, gases, seasons, northern hemisphere, southern hemisphere, evidence		

Opportunities to support English and Maths
<ul style="list-style-type: none"> Recognise that Mathematics are used to form scientific proof about planets. Literacy – use a range of texts to discover more about the planets in the Solar System

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none"> Links with concurrent topic work: NASA and space exploration. Space Day in Mid-November.

Respect

Responsibility

Reflection

Resilience