

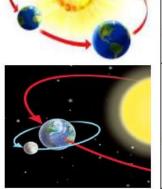
	ledge:
	Overview
The solar system	<ul> <li>A solar system is a star that has objects (such as planets) orbiting around it.</li> <li>Our solar system has 1 star, the sun with 8 planets orbiting around it.</li> </ul>
	The Earth
e Earth and the Sun.	<ul> <li>The Sun is the star at the centre of our solar system.</li> <li>The Sun gives the Earth it's light, heat and influences the seasons.</li> <li>The Earth orbits the Sun.</li> <li>It takes the Earth 1 year to orbit the Sun.</li> </ul>
	What causes day and night?
The Earth tal The side of the The side of the Because the	biting the Sun, the Earth also spins on its own axis. kes 24 hours (1 day) to completely rotate on its axis. he Earth facing the Sun is in daytime. he Earth facing away from the Sun is in night time. a Earth is turning, the Sun appears to move across the Sun does not move it is us that is moving.
	Light rays
7 colours of indigo and v The colours v longest wav When the w wave hits du This causes t	Why is the sky blue? es out white light, within the white light there are the the rainbow (red, orange, yellow, green, blue, violet). within the light travel in waves, red light has the elength and violet has the smallest wavelength. hite light reaches the Earth's atmosphere, the blue ust, dirt and pollen particles within the atmosphere. he blue light to refract, scatter and spread out mosphere making the sky blue.
	LIGHT RAYS WHITE LIGHT PRISM ATMOSPHERE EARTH EARTH BLUE LIGHT SCATTERED
	The Planets
its own light Planets car Our solar sy The planets Uranus and The dwarf p Mercury, Ve	be made mostly of rock or mostly of gases. stem has 8 planets and 1 dwarf planet. are: Mercury, Venus, Earth, Mars, Jupiter, Saturn,
	Easy Method Just Speeds Up Naming Planets!

- e experiments:
- Create a model of the solar system. • Make a shadow clock or sundial to see how the •
- Earth moves during the day.
- Keep a diary of the moon and notice how it • changes during the month.

Key Vocabulary:		
Solar system	a solar system is a star that has objects (such as planets) orbiting around it.	
Sun	a huge star that the Earth and the other planets in our solar system orbit around.	
star	a giant ball of hot gas and plasma.	
Earth	the planet on which we live. Also called the world.	
orbit	to repeatedly move around something in a curved path.	
planet	a large object, round or nearly round that orbits a star.	
moon	a natural satellite which orbits Earth and other planets.	
satellite	any object or body is space that orbits something else, for example the moon is a satellite of the Earth.	
rotate	To spin around.	
axis	An imaginary line that something rotates around. The Earth's axis runs from the North pole to the South pole.	
atmosphere	the layer of gases that surround a planet.	
refract	when a ray of light changes direction.	

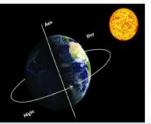
## Diagrams and Symbols:







The Moon orbiting the Earth, which takes about 28 days.



The Earth spinning on its axis, which takes 24 hours.