

Medium Term Planning

Unit:	Earth and Space
Year Groups:	Year 5

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Lesson	Knowledge	Previously taught	New Vocabulary
1	<p>I know that the solar system consists of the sun and everything that orbits the sun.</p> <p>I know that Earth and other planets orbit the sun in our solar system.</p> <p>I know that the sun is a star in our solar system.</p> <p>I know that the Earth rotates on its axis and completes a full turn every 24 hours to give us night and day.</p> <p>I know that the sun, moon, planets and stars are all celestial bodies in our solar system.</p>		solar system, sun, orbit, Earth, planets, sun, star, rotates, axis, night, day, moon, celestial bodies.
2	<p>I know that the sun is a star and not a planet.</p> <p>I know that Pluto is a dwarf planet.</p> <p>I know the names of the planets in our solar system.</p> <p>I know that Mercury, Venus, Earth, Mars, Jupiter, Saturn Uranus and Neptune are planets in our solar system.</p> <p>I know that the planets in our solar system orbit the sun.</p>	sun, star, planets, solar system, Earth.	Pluto, dwarf planet, Mercury, Venus, Mars, Jupiter, Saturn Uranus, Neptune, orbit.
3	<p>I know that the Earth rotates on an axis.</p> <p>I know that during the winter, the North Pole is tilted away from the Sun's rays. As Earth travels around the Sun, the tilt of Earth changes. By June, the North Pole is tilted towards the Sun and the days become very long.</p> <p>I know that the Earth takes a year to orbit the Sun and it is the tilt which creates the seasons.</p> <p>I know that the heliocentric model of the solar system is when the planet orbits around the sun.</p> <p>I know that the geocentric model of the solar system is when the sun and planets orbit the Earth.</p>	Earth rotates, axis, orbit, sun, seasons, solar system, planets.	heliocentric model, geocentric model.



4	<p>I know that during the winter, the North Pole is tilted away from the Sun's rays. As Earth travels around the Sun, the tilt of Earth changes. By June, the North Pole is tilted towards the Sun and the days become very long.</p> <p>I know that the Earth takes a year to orbit the Sun and it is the tilt which creates the seasons.</p>	Earth, sun, tilt, orbit, seasons.	Tilted.
5	<p>I know that a sundial can tell the time.</p> <p>I know that the Earth spins on it's axis one complete turn every 24 hours to give us day any night.</p> <p>I know that the Earth rotates around the sun.</p>	Earth spins, axis, turn, day, night.	Sundial.
6	<p>I know that the Moon is a natural satellite which orbits Earth or other planets.</p> <p>I know that we see the Moon because it reflects the light from the sun.</p> <p>I know that the Moon orbits the Earth anti clockwise and takes approximately 28 days.</p> <p>I know that the Moon spins once on its axis every time it orbits Earth. This means that we only see one side of the Moon.</p> <p>I know that the Moon has different phases depending on where it is in its orbit.</p> <p>I know that the moon appears to be different shapes at different times because the sun's light reflects onto different parts of the moon as it moves around the Earth.</p> <p>I know that the Moon's gravity causes high and low tides.</p>	Earth, orbits, axis.	moon, satellite, reflects, gravity, tides.