

Earth and space	Key learning	Possible evidence	Knowledge at the end of the unit	Vocabulary
Year 5	1. describe the movement of the Earth, and other planets, relative to the Sun in the solar system 2. describe the movement of the Moon relative to the Earth 3. describe the Sun, Earth and Moon as approximately spherical bodies 4. use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky	Can create a voice over for a video clip or animation showing planets in our solar system from the sun to Neptune. Can show using diagrams the movement of the Earth and Moon Can explain the movement of the Earth and Moon Can state how science has helped us understand that celestial bodies are approximately spherical. Can show using diagrams the rotation of the Earth and how this causes day and night	Know the sun is a star at the center of our solar system and it has 8 planets that orbit it. Know the order of planets in our solar system and where they are in relation to Earth and the sun. Name (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune) and describe features of the planets in our solar system; knowing that Pluto was reclassified in 2006 as a dwarf planet. Understands the geocentric (the solar system orbits the Earth) v heliocentric (the solar systems orbits the sun) theories Explain the movement of the moon and the impact the moon has on the earth. Know a moon is a celestial body that orbits a planet. Earth has one moon but other planets, such as Jupiter, have more than one moon. Know how long it takes the moon to orbit earth (28 days) and know the names of the stages (waxing, waning, full moon, new moon, etc) Know scientific evidence provides arguments for and against an argument and how this, in relation to the argument that the earth is round, progressed through the years. Can explain day and night in relation to earth's rotation on its axis. Know the earth rotates on its axis which is tilted, this causes seasons and change in daylight hours. Know the earth orbits the sun every 365.25 days (understand this is why we have a leap year once every 4 years).	Sun Star Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune Pluto Celestial bodies Moon Spherical Geocentric v heliocentric Rotation Waxing Waning Full moon Quarter moon Half moon New moon Leap year Earth's tilt and axis Orbit Satellite planet