

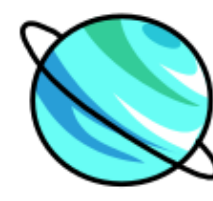
solar system



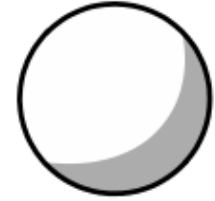
planets



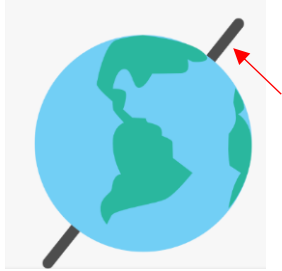
orbit



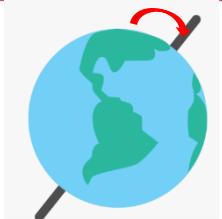
celestial body



sphere



axial tilt



axial tilt



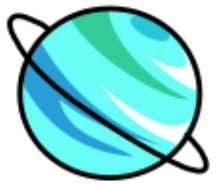
Science: The Earth in Space



rotate



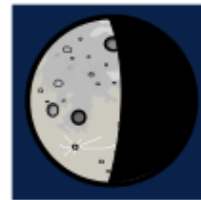
Universe



dwarf planet



full moon



half moon

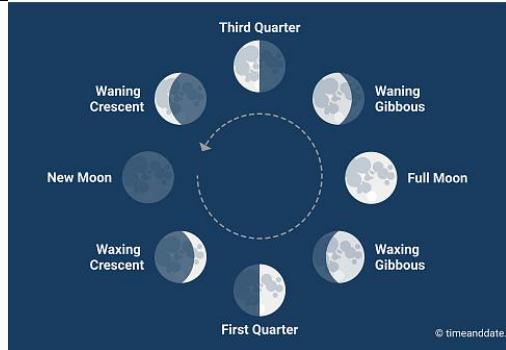
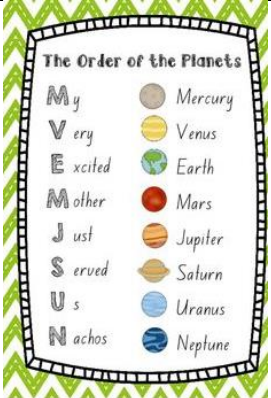



crescent
moon



new moon

Y5 Science: The Earth in Space - Topic Vocabulary Mat

Subject Specific Vocabulary		Relevant Pictures	Exciting Books/Websites
solar system	A collection of planets and smaller objects, all travelling around a central star, the sun. The sun is a vast ball of glowing hot gas.		Earth and space - KS2 Science - BBC Bitesize Space Primary Resources National Geographic Kids (natgeokids.com) Home NASA Space Place – NASA Science for Kids
celestial body	A natural object that exists outside the earth's atmosphere. Examples include stars, planets, asteroids and comets.		Other information https://www.bbc.co.uk/teach/class-clips-video/pshe-ks2-ks3-space-scientist/vwxnrd 
planets	A celestial body that is in orbit around the Sun.		
sphere	A perfectly-round 3D shape with one continuous curved surface; every point on the surface is exactly the same distance from the centre		
axis	<p>Earth rotates on an axis point. An axis is an imaginary line an object turns around. This imaginary line runs directly through the object's centre, from the north to the south poles. Although we cannot feel the Earth spinning, it makes one complete turn, each day, around its own axis.</p>	Black History Month <p>"My dyslexic thinking means I don't just think outside the box...I think outside the planet!" Dr Maggie Aderin Pocock - British space scientist, science communicator and educator.</p> 	
universe	Everything that exists, including objects and energy, throughout time and space. Earth, the Sun, and the rest of the solar system are only a very small part of the universe.	What I've Learnt Already	Key Knowledge
dwarf planet	Planets that are smaller in size than other planets in our solar system, but which share many of the same characteristics.	<p>Y3:</p> <ul style="list-style-type: none"> Dark is the absence of light. Light from the sun can be dangerous and there are ways to protect the eyes. Shadows are formed when the light from a light source is blocked by an opaque object. I know and can explain some of the reasons why the size of shadows changes. I know and can describe magnets as having two poles. 	<ul style="list-style-type: none"> The Earth, Sun and Moon are spherical. The Sun is a star at the centre of our solar system. There are eight planets in our solar system, and they orbit the sun. The earth rotates on its axis every 24 hours. This movement towards and away from the sun causes day and night
sundial	An ancient method of showing the time of day with a shadow cast by the sun on a central pointer protruding from a clock face	<p>Y1:</p> <ul style="list-style-type: none"> I know that days are longer in summer (sunshine hours) than in winter I know and can describe the features of different seasons and how they change through the year. 	<ul style="list-style-type: none"> The moon orbits the earth and takes about 28 days to complete its orbit. The sun appears to be moving in the sky due to the earth's rotation.