
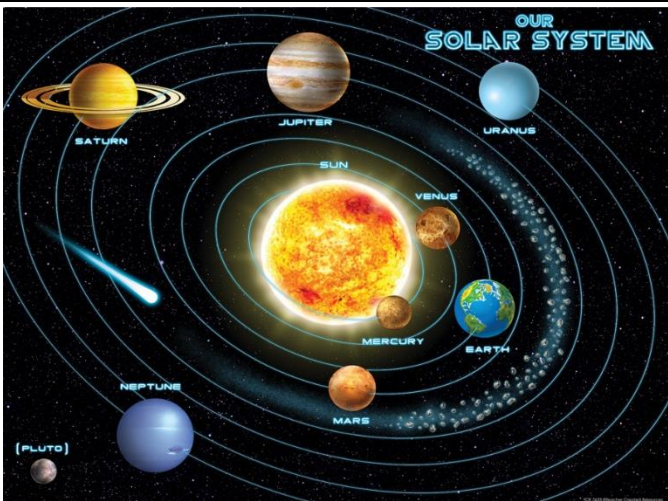


Science - Earth and Space - Year 5 - Autumn 1

Vocabulary Top Ten:		Katherine Johnson	Key Facts:
axis	An imaginary line through the centre of a spinning object.	Born: 1918 Died: 2020 Nationality: American Worked for NASA: 33 years She was known as a "human computer" for her tremendous mathematical capability. She helped send astronauts to the moon! She fought against gender and racial barriers.	
crescent	A narrow curved shape coming to a point at each end.		
lunar	Linked to the moon.		
orbit	The curved path of a celestial object or spacecraft round a star, planet or moon.		
rotate	Move, or cause to move, in a circle around an axis or centre.	<h3>Diagram</h3> 	The solar system the collection of eight planets and their moons in orbit round the sun. The Sun is a star (made up of hydrogen and helium) which is at the centre of our solar system and does not move.
revolve	Move in a circular orbit around.		There are eight planets in our solar system. These are: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.
satellite	A moon moving around a planet.		The Sun, Earth and Moon are spherical bodies.
Solar system	Collection of planets, which a star.		The Earth takes 365.25 days to complete its orbit around the Sun, therefore every four years we have an extra day in February (29 th February) called a leap year.
sphere	A perfectly round, solid shape.		As the Earth orbits the Sun, it rotates. The half of the Earth facing the sun will experience day and the part facing away from the sun will experience night.
tilt	Move, or cause to move, into a sloping position.		The Earth's rotation is what makes the Sun appear to rise in the East and set in the West.
			It takes 24 hours for the Earth to rotate once fully on its axis.
			The Moon takes approximately 28 days to orbit the Earth which is called the lunar month.
		The Moon does not shine. The 'moonlight' we see is actually the Sun's light reflected off the lunar surface.	
		As the Moon orbits the Earth, the Sun lights up different parts of it, making it seem as if the Moon is changing shape. We call these the phases of the moon.	

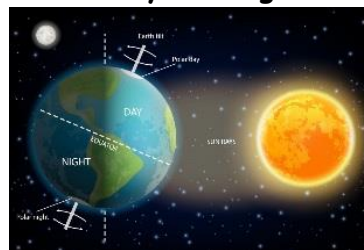
Earth's orbit



Seasons of the year



Day and night



Phases of the moon

