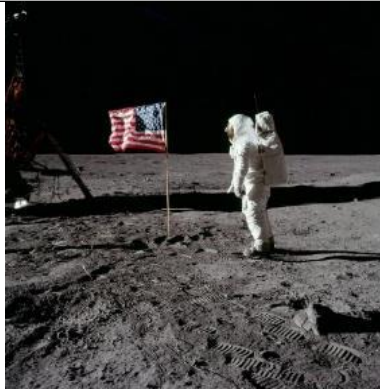


Year 5: Earth and Space Knowledge Mat

Subject Specific Vocabulary			Sticky Knowledge about Earth and space		
orbit	An orbit is a repeating path that one celestial body takes around another.		<p><u>Prior learning</u></p> <ul style="list-style-type: none"> I can observe the changes across the four seasons. I can observe and describe weather associated with the seasons and how day length varies. 	<input type="checkbox"/> The sun is a star. It is at the centre of our solar system	<input type="checkbox"/> There are 8 planets in our solar system- Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. These planets travel around the Sun in fixed orbits.
solar system	The solar system is made of the eight planets that orbit our sun; it is also made of asteroids, moons, comets and lots more.			<input type="checkbox"/> The Earth takes 365.25 days to orbit the Sun. This is what we call a year.	<input type="checkbox"/> The earth rotates (spins) on its axis. As earth rotates, half faces the sun (here it is day) and half is facing away from the sun (here it is night). As the earth rotates the sun appears to move across the sky. It takes 24 hours for the Earth to rotate on its axis.
astronomy	Astronomy is the study of outer space, focusing on celestial bodies such as stars, comets, planets and galaxies.	Year 5 learning		<input type="checkbox"/> The Moon orbits the Earth. It takes about 28 days to complete its orbit.	
planet	a celestial body moving in an orbit round a star.	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system Describe the movement of the Moon relative to the Earth Describe the Sun, Moon and Earth as approximately spherical bodies Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. 			
rotation	Rotation is when a shape is turned around a fixed point.				<input type="checkbox"/> The Moon has 8 phases. New Moon, Waxing Crescent, First Quarter, Waxing Gibbous, Full Moon, Waning Gibbous, Last Quarter and Waning Crescent.
spherical	Something spherical is like a sphere in being round, or more or less round, in three dimensions.				<input type="checkbox"/> The Sun, Earth and Moon are approximately spherical.
axis	An imaginary line about which an object rotates				
hemisphere	Hemisphere means half a sphere. The Earth has a Northern Hemisphere and a Southern Hemisphere.				
star	a fixed luminous point in the night sky which is a large, remote incandescent body like the sun.				
moon	a moon is defined to be a celestial body that makes an orbit around a planet.				