

Exploring Our Solar System & Beyond		
1	Sun	the star which the planets in our solar system orbit
2	Order of the planets	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
3	Satellite	an object which orbits another object
4	Orbit	the curved path of a celestial body or spacecraft around a star, planet or moon
5	Moon	a mass of rock which orbits a planet; a natural satellite
6	Artificial satellite	a man-made piece of equipment which orbits a planet
7	Planet	orbits the sun, big enough to clear its orbit, and roughly spherical in shape.
8	Dwarf planet	orbits the sun, but not big enough to clear its orbit
9	Space probe	an uncrewed spacecraft travelling through space to collect scientific data
10	Meteor	a small object from outer space which enters the Earth's atmosphere
11	Asteroid	a small rocky object orbiting the sun
12	Axis	the imaginary line around which an object rotates (spins)
13	Galaxy	a system of millions or billions of stars and dust, held together by gravity
Forces in Space		
14	Gravity	the force which attracts any objects with mass
15	Mass	the total matter an object is made of
16	Weight	the size of force acting on an object due to gravity
17	Force arrow	a symbol used to show the size and direction a force is acting in
18	Centripetal force	a force which acts on an object moving in a circular path. It directs the object towards the centre of the circle.
19	Gravitational Field	the size of the gravitational force a planet exerts

Days & Seasons			
20	Tilt of the Earth	23.5°	
21	Time for Earth to rotate once	24 hours	
22	Time for Earth to orbit the sun	365.25 days	
23	Hemisphere	either the top half (Northern) or bottom half (Southern) of the Earth	
24	Season	each of the four divisions of the year; marked by different weather patterns and day lengths	
Eclipses			
25	Solar eclipse	an eclipse where the sun is obscured by the moon	
26	Lunar eclipse	an eclipse where the moon appears darkened as it passes into the Earth's shadow	
Telescopes			
27	Heliocentric theory	the idea that the planets in our solar system orbit the sun	
28	Geocentric theory	the idea that the planets and the sun orbit the Earth	
29	Telescope	an instrument designed to make distant objects appear nearer	
31	Galileo	founder of Heliocentric theory and inventor of the telescope	
Measurement Words & Equations for Space			
32	Distance	the length of space between two points	Metres (m)
33	Diameter	a straight line from one side of a circle (or sphere) to the other	
34	Day	length of time a planet takes to spin on its axis once	
35	Year	length of time a planet takes to orbit the sun	
36	Light year	the distance light can travel in one Earth year	
37	Calculate Weight	Weight = Mass x Gravitational Field (N) = (Kg) x (N/Kg)	
38	Gravitational Field on Earth	10N/Kg	