

## Knowledge Organiser- Science Year 5- Astronomy

Key Vocabulary	Definition
Astronomy	The study of universe, stars and galaxies
Astronomer	A scientist who studies the planets, stars and galaxies
Universe	All of space, time, matter and energy
Galaxy	Huge "cities" of stars bound together by gravity
Star	A massive ball of super-heated gas
Solar system	The name for our sun and planets, including Earth
Orbit	A regular and repeating path that an object in space takes
Lightyear	The distance light travels in one year: roughly 9.5 trillion kilometres
Big Bang Theory	An explanation about how the universe began
Gravity	A force which pulls things to the ground on Earth
Satellite	Something that orbits Earth or another planet
The Milky Way	Our galaxy which contains our solar system
Planet	Planets are large natural objects that orbit, or travel around, stars
Rotate	Rotation means the circular movement of an object around a centre.
Moon phases	The portion of the moon that we can see from Earth on any given night is called the moon's phase. As the moon orbits around the Earth, sunlight is reflected off the moon's surface and that light reaches us on Earth. The phase of the moon depends on where the moon is in its orbit.

