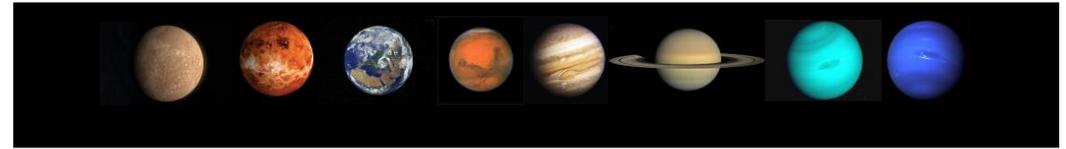


Knowledge Organiser - Space

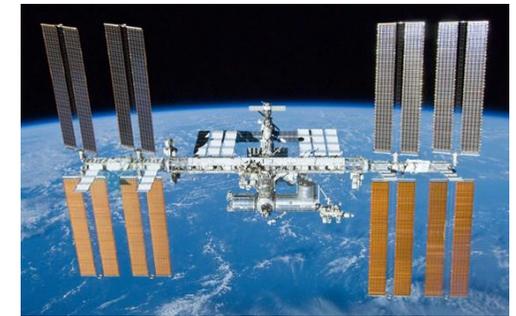
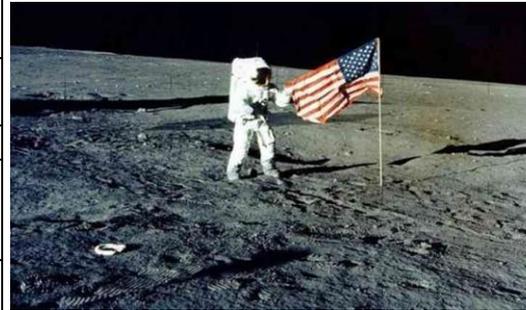
Year 5 - History/ Geography



Key Vocabulary	Definition
Star	A burning mass of gas that makes heat and light energy (E.g. the sun).
Planet	An astronomical body that orbits a star and does not emit its own light. It can be terrestrial (dense and rocky) or Jovian (gas giant).
Gravity	The force that attracts an object towards a larger object.
Solar System	An cluster in space that has a star with heavenly bodies (such as planets) revolving around it.
Light-year	The distance light travels in a year (≈ 9.46 trillion km).
Galaxy	An extremely large group of stars and planets that extends over many billions of light-years , held together by gravity (E.g. Milky Way and Andromeda).
Universe	All of space and everything in it (including stars , planets and galaxies).
Satellite	An object either natural (E.g. a moon) or man-made, that orbits around a planet .
Orbit	A curved path of a planet , satellite or spacecraft around an object such as the sun due to the attraction of gravity .
Vacuum	A space with no air.
Asteroid	Irregularly shaped rock that orbits the sun, mostly occurring in the asteroid belt.
Meteor	A mass of rock that burns after entering the Earth's atmosphere (meteorite when the rock has cooled on Earth)
Comet	A mass of ice and dust that has a long, luminous tail of gas.
NASA	The National Aeronautics and Space Administration - a US agency responsible for the exploration and study of space.
Astronomy	The branch of science that deals with space and the physical universe as a whole.



Can you name all the planets in our solar system?



Solar System Missions

Sputnik 1	The first man-made satellite to orbit the Earth, launched by the Soviet Union in 1957.
Mars Landers and Rovers	First launched in 1975 with plans to launch again in 2020 as part of the mission to get man on mars by 2030.
Hubble Telescope	Launched 1990 - captured images of both our own and distant galaxies.
Cassini	Launched 1997 - exploring Saturn and its rings.

Humans in space

Laika	The first animal in space was a dog aboard Sputnik 2 in 1957.
Yuri Gagarin	First human in space 1961, aboard the Vostok 1.
Neil Armstrong	First person on the moon in 1969 aboard Apollo 11.