

Y5 – Earth and Space

Out of this world – Summer 1

Key Vocabulary

dwarf planet - a small planet

friction - the force that acts upon one surface when it moves against another

gravity - a pull force that acts at a distance

orbit - the curved path around a star, planet or moon

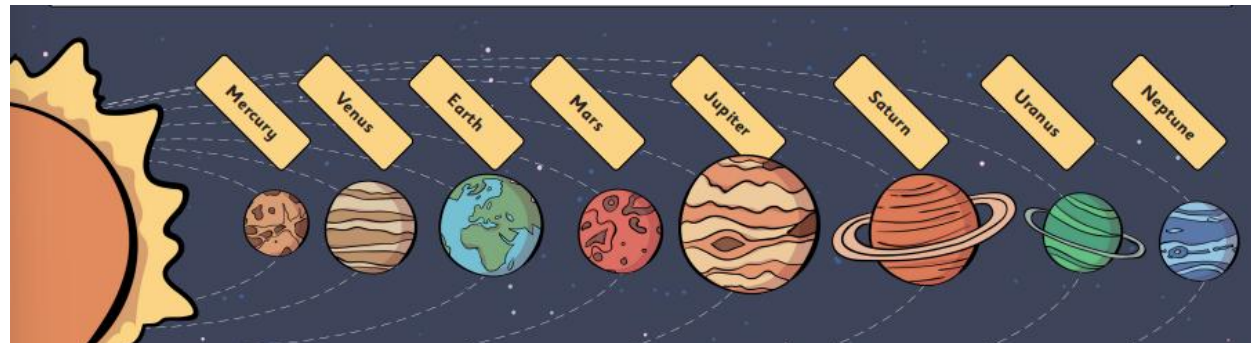
planet - an object in space that orbits a star

pull - to move something towards

push - to move something away

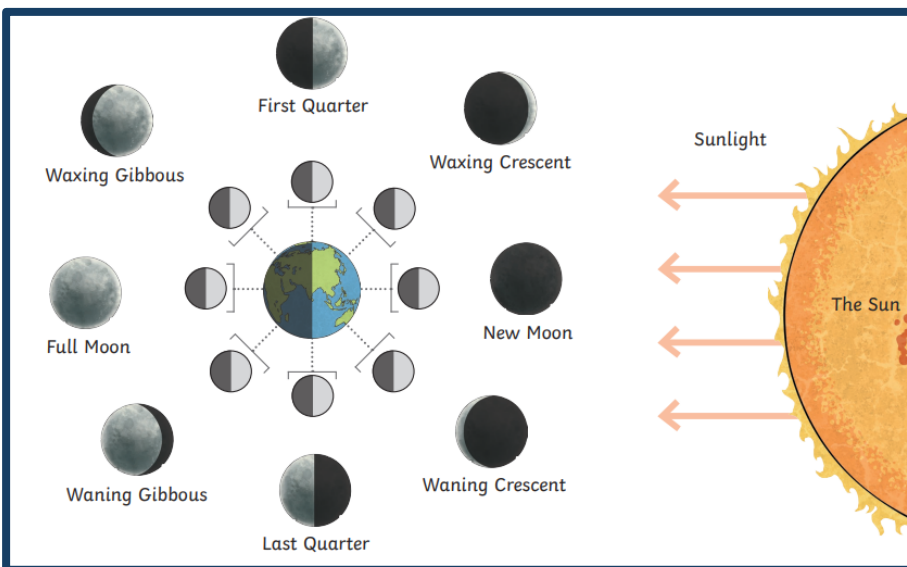
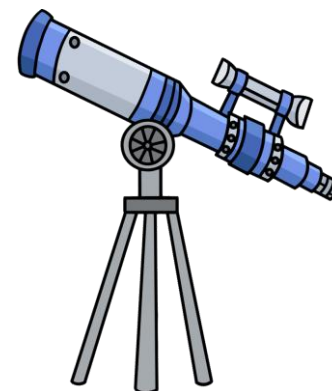
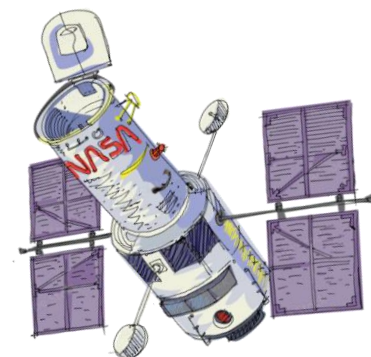
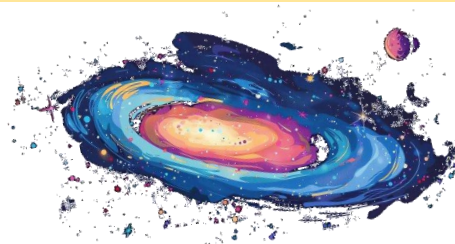
solar system - the name given to our Sun and eight planets and their moons

star - an object in space made of luminous plasma (bright gas) held together by its own gravity



An easy way to remember the names of planets in order is:

My Very Easy Method Just Speeds Up Naming



Orbits

All the planets in our solar system **orbit the Sun**. The Sun is at the **centre of our solar system**. Each planet takes a different amount of time to orbit the Sun, depending on how far away it is and how slowly it moves. Planets orbit the Sun because of **gravity**. The Sun's gravitational pull keeps all the planets in orbit. Planets travel on an **elliptical path** around the Sun, which keeps them from falling into the Sun. Below is a table showing how long each planet takes to orbit the Sun.

Mercury	87.97 Earth days
Venus	224.70 Earth days
Earth	365.25 Earth days
Mars	686.98 Earth days
Jupiter	4332.82 Earth days
Saturn	10,755.70 Earth days
Uranus	30,687.15 Earth days
Neptune	60,190.03 Earth days