

Science Knowledge Organiser Earth and Space (Term 3)

Year 6

Our learning

In our science lessons this term, we will be learning about Earth and space. This is part of our **physics** work science. We will be considering the **patterns** that appear in space in relation to the Earth, the sun and the moon.

We will also look at the different planets in the solar system.



Sir Isaac Newton discovered gravity when he saw an apple fall down to the ground from a tree.

Information

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune are all planets in our solar system.

The Earth orbits around the sun.

The sun is a star.

The Earth spins on its **axis** once every 24 hours.

The Earth has one moon..

The moon orbits the Earth in 28 days.

Vocabulary

solar system- the collection of eight planets and their moons that orbit round the sun.

spherical- shaped like a sphere.

star- an exploding ball of burning gas

planet- large natural objects that orbit, or travel around, stars.

gravity- a force that pulls everything down toward the centre of the Earth.



Spherical



Star

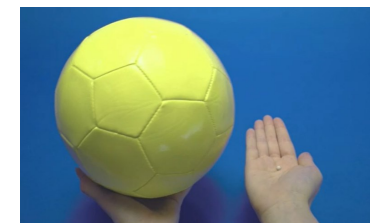


Moon



Planet

The relative size of the Earth compared to the sun is shown using a football to represent the sun and a 2mm ball



As a scientist I will...

- Identify and explain patterns in the natural **environment**.
- Discuss how **scientific** ideas develop over time.

