

St Andrew's Church of England Primary School

KSI Knowledge Organiser - Term 4: Science: Super Scientists - Working Scientifically



Glossary of key words:

Vocabulary	Definition
acoustics	The study of sound and how it travels.
anemometer	A device that measures wind speed and direction.
circuit	A complete path that allows electric current to flow.
gravity	The invisible force that pulls everything towards the centre of the Earth.
prism	A solid object that light can pass through.
observe	Carefully looking, listening or noticing things to learn more about them.

End of unit outcomes:

Unit specific outcomes:

- Investigate and understand the effect gravity has on objects.
- Investigate and understand what happens when light passes through different transparent objects.
- Investigate the wind.
- Investigate and understand whether sound can pass through materials.
- Investigate and understand electrical circuits.

Working scientifically outcomes:

- Ask relevant questions.
- Make accurate measurements using a range of equipment.
- Gather, record and present data in a variety of ways.
- Use results to draw simple conclusions.

This unit's key ideas:

Scientists throughout history have helped us to understand the world around us. This term, we are exploring the work of the following scientists:



1. Sir Isaac Newton
2. Dame Maggie Aderin-Pocock
3. Alexander Graham Bell
4. Thomas Edison

Just like the scientists we are studying, we will use a range of skills to investigate different ideas, including:

