Science Knowledge Organiser Working Scientifically (Term 6) Year 3

Our learning

In our science lessons this term, we will be working scientifically with our knowledge of plants This is part of the **biology** aspect of science and will help us to develop the skills to become a scientist.

We will look at using our scientific knowledge to identify **patterns** from the data we collect and then use scientific evidence to explain our findings.

Ask a question

Plan an investigation

Make a prediction

Complete your investigation

Display your results

Explain what you found out

Information

What should I plant my seeds in?

Seeds can be planted in different materials.

Some materials are better than others for seeds to grow in.

Soil is a mixture of tiny particles of rock, dead plants and animals, air and water.

There are different types of soil. Different soils have different properties.

As a scientist I will...

- Independently use my ideas to ask questions about the world around me.
- Describe a fair test and methods used.
- Make predictions and give reasons for them.
- Take accurate measurements using standard units.
- Gather, record and use data in different ways to answer a question.
- Draw a simple conclusion based on evidence, my observations and study.
- Record my findings using scientific language.

Vocabulary

Fair test - A method of testing which makes sure that the data collected can be compared fairly. To make a test fair, one variable is changed

Prediction- What you think will happen in an experiment

Record– Writing, drawing or photographing what is seen in an experiment

Explanation - A piece of writing that explains something

Evidence- The results of scientific tests used to prove or disprove a theory or hypothesis (idea)

Fertilisers– Substances added to the soil or sprayed on the leaves of plants to keep them well nourished

Although David Attenborough is not actually a scientist, he has helped us to understand the world's plants and animals.