My Science Learning Journey

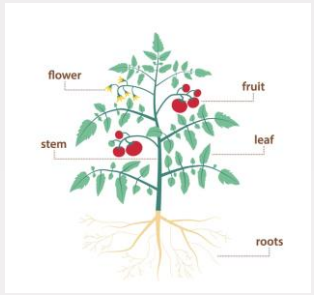
Which paper is the best at absorbing water?
Why do balls bounce?
How do we get our energy?
What do humans need to survive?
Why do different animals live in different places?
What should I do to grow a healthy plant?

Early Years Foundation Stage

Science makes a significant contribution to developing a child's knowledge and understanding of the world. Children will explore, problem solve, observe, predict, think, make decisions and talk about the world around them.

What does animal poo look like? Why?
I need to make a boat; what material will float?
What is at the bottom of your garden?
What is it like in Winter, Spring, Summer and Autumn?

Year R | Early Years | Key Stage 1 | Year 1 | Year 2 | Key Stage 2 | Year 3 | Year 4 | Year 5 | Year 6

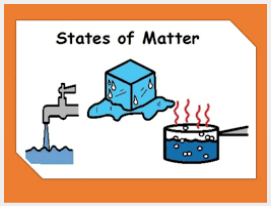


Can we organise teeth into groups?
What are all the names of the organs involved in the digestive system?
How would you group these electrical devices based on where the electricity comes from?
Can we use the classification keys to identify all the animals that we caught pond dipping?
When is our classroom the quietest?
Can you group materials and objects into solids, liquids, and gases?

Working Scientifically: builds students' understanding of the ways in which data is collected and analysed, how scientific explanations are developed, and how science and society interact.

Scientific enquiries

Pupils will make decisions about which type of enquiry will answer their questions including, observing changes over time, noticing patterns, grouping and classifying things, carrying out simple comparative and fair tests and finding things out using secondary sources of information.



Why do animals have skeletons?
What is a healthy diet and why is it important?
How can we move magnets?
What is a shadow?
Why do plants have flowers?
What are rocks and soils like?

Looking to Transition:

Pupils in KS2 will have the opportunity to develop their science skills with teachers from St Margaret Ward.

Do all plants and animals reproduce in the same way?
How have our ideas about the solar system changed over time?
How and why do objects move?
How can we separate a mixture of water, iron fillings, water and sand?
Are the oldeset children in our school the tallest?

Why has life expectancy changed over time?
Why are plants and animals classified into broad groups? Is there one correct way of doing this?
How are objects seen? Does light always behave in the same way?
Why do some animals become extinct? How would you group electrical components and appliances based on what electricity makes them do?