Science Subject Intent

Why do we study Science at Featherstone All Saints?

Our children are natural scientists and are keen to explore, enquire and understand the world around them. To encourage growth in, we investigate life processes, materials, physical processes and concentrate on developing children's scientific skills, encouraging them to question, investigate and test appropriately. We focus on group work and collaboration, with lots of practical work and experimentation. Through scientific investigations, we aim to build resilience by showing the children that they can learn from their mistakes, and that it is okay to get things wrong! We support their learning in a variety of ways including school trips, science weeks and workshops.

In science, pupils will have the opportunity to:

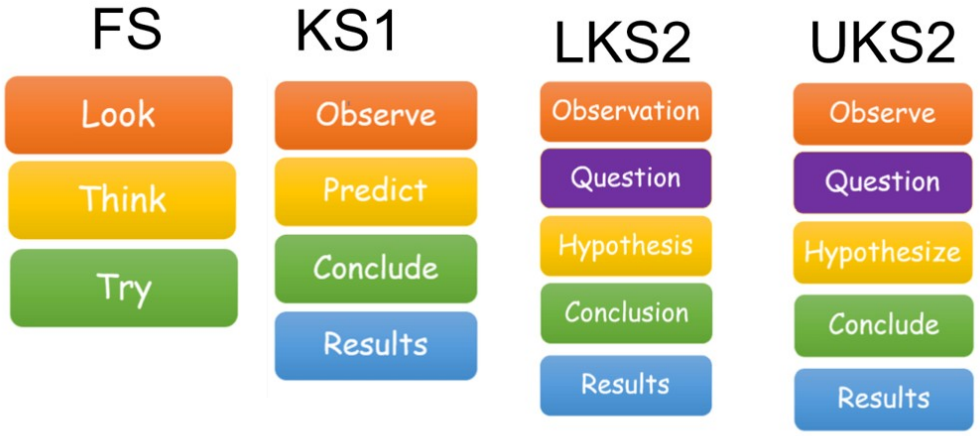
Ask simple questions and recognise that they can be answered in different ways
Observe closely, using simple equipment
Perform simple tests
Identify and classify
Use their observations and ideas to suggest answers to questions
Gather and record data to help answer question

Pupils will be able to develop their skills as scientists by:

Using their five senses
Asking and answering questions
Making predictions about what they think might happen
Planning and investigating
Saying why and how things happen
Using a range of scientific equipment and resources
Recording their ideas and findings
Evaluating their own work and say how this can be improved.

Science Intent

At All Saints, our teaching and learning plans for practical investigative opportunities within science lessons termly. Children will be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry-based learners. Our children are natural scientists and are keen to explore, enquire and understand the world around them. Science lessons at All Saints concentrate on developing collaboration through practical enquiries and experimentation. We encourage the children to follow our key scientific steps of enquiry in school including: observing, questioning and predicting results based on their observations.



Our children are then supported in designing their own experiments to prove or disprove their hypothesis and enjoy learning from their successes and mistakes. In order to develop their scientific skills further, our older children discuss and consider the three types of variables: independent, dependent and control variables and use these to inform the design of their experiments.

At All Saints, we also support science learning in a variety of ways including yearly Science and STEM weeks in addition to school trips. We hold an annual Science Fair in the Spring term alongside our STEM week. All children in school have the chance to contribute a project. Family and friends are able to join us in school to celebrate their hard work.