



Science



Our Science curriculum aims to deliver a curriculum which is accessible to all and that will maximise the development of every child's ability and academic achievement in the area of Science. At Ferndale Primary School we recognise the importance of Science in every aspect of daily life and give the teaching and learning of Science the importance it requires. We aim to:

- Increase their knowledge and understanding of our world.
- Develop skills associated with Science as a process of enquiry.
- Develop their natural curiosity, encourage respect for living organisms and the physical environment.
 - Provide opportunities for critical evaluation of evidence.

Intent

Inspiration: We want our children to be inspired through the processes and methods of science through different types of inquiries that help them answer questions about the world around them, enabling them to become scientists.

Aspiration: To be equipped with scientific knowledge required to understand the uses and implications of science for today and for their futures.

Inclusion: For all of our children to have a love of Science. The curriculum is designed so that all children are able to conduct a practical experiment, use equipment and acquire new learning at their level.

Implementation

What we cover?

- Teachers are supported by sequenced knowledge organisers, a progression document and skill ladders.
- Teaching and learning progresses across all key stages within the strands of science, including working scientifically, asking questions, measuring and recording, concluding and evaluating.

How is it covered?

- We build upon learning and skill development by working through a sequenced curriculum.
- Teaching builds and reviews previous learning, before new learning is taught and extended.
- Children access resources to acquire learning through science equipment, digital technology, practical experiences, rich vocabulary and school enhancement opportunities, including visits and visitors.
 - Scientific enquiries planned allow the children to find out the answers themselves.

Impact

- Children will retain knowledge that is pertinent to science with a real life context.
- The large majority of children will achieve age related expectations in science.
- As scientists, children will be able to question ideas and reflect on knowledge.
- As scientists, children will work collaboratively and practically to investigate and experiment.
- As scientists, children will be able to explain the process they have taken and be able to reason scientifically.