



Science at Tweedmouth Prior Park First School

Intent Statement

'Studying the physical and natural world through observation and experiment'

At Tweedmouth Prior Park First School, we all recognise the importance of science as a core curriculum subject that is crucial to our pupil's understanding of the world, next steps and future career aspirations. It is our intention to provide a high-quality science education that builds connected knowledge and key skills through concepts, deeper/blended learning and a hands-on, investigatory approach to teaching. We will work with our parents, community and wider external STEM providers/employers to enrich our learning and support high Science Capital with all our pupils irrespective of starting point, background, gender or race.

Through the National Curriculum for Science, our school aims to ensure that all pupils:

- Develop connected scientific knowledge, vocabulary and a conceptual understanding of science through a coherent and progressive use of science models through Key Stages and across the curriculum. They will develop depth to their understanding and higher order reasoning skills.
- Develop understanding of the nature and methods of science through focussed Working Scientifically skills development and the use of different types of Science Enquiry that help pupils to become increasingly independent and successful investigators.
- Are equipped with the scientific knowledge required to understand the uses and implications of science, engage with current/future debates (Science Literacy) and develop high Science Capital.

To support developments towards this intent vision, we will be focussing on the following key science principles:

1. We use scientific vocabulary and ask scientific questions.
2. We use equipment practically to investigate.
3. We use the outdoors to enhance our learning.
4. We are inspired by other scientists and their careers.
5. We reflect upon and develop our knowledge.

Through training and teacher expectation these will be supported and monitored.

We believe that with the experience of scientific processes and a wide range of topics the children will be well equipped to meet the challenges of science work in their future school years and life beyond. At Tweedmouth Prior Park First school participate in Science Week annually with many other enrichment opportunities such as workshops in school and visits in the local community. We enhance their learning by inviting science experts in and becoming involved in many local and national initiatives thus raising Science Capital.