




Science



Our Curriculum Drivers

 <u>A sense of Self</u>	 <u>A sense of Others</u>	 <u>A sense of the world around us</u>
<p>Our pupils will:</p> <ul style="list-style-type: none"> • Become passionate and motivated to learn and become independent, confident, resourceful individuals. • Develop a sense of personal pride in their achievement; providing a purpose and relevance for learning. • Develop a strong sense of self and belief for their future. 	<p>Our pupils will:</p> <ul style="list-style-type: none"> • Develop an understanding of community and how to thrive as a valuable member of society. • Understand that people have different needs. • Develop a knowledge of influential people. 	<p>Our pupils will:</p> <ul style="list-style-type: none"> • Develop an understanding of how the world around them has come to be; culturally, historically and physically. • Develop an understanding of the global issues that are part of our present and our future.

Why is Science important?

We understand how important Science is in everyday life and we are committed to increasing our children's Science capital. The Scientific area of learning is concerned with increasing pupils' knowledge and understanding of the world around them and themselves. We want our children to develop their scientific skills as they progress through the school. We encourage and nurture their natural curiosity through the use of questioning and exploration.

Our Science teaching offers opportunities for children to:

- Develop scientific knowledge and conceptual understanding.
- Use different types of science enquiry that help them to answer scientific questions about the world around them in different ways and deepen their knowledge.
- Be equipped with the scientific knowledge required to understand the uses and implications of Science, today and for the future.
- To use resources carefully with a clear aim of their purpose.

- Develop an enthusiasm and enjoyment of scientific learning and discovery.
- Question what is around them and have opportunities to answer their own questions.
- Raise scientific aspirations to highlight different scientific careers.

At Borders Primary Partnership children have weekly lessons in Science throughout Key Stage 1 and 2. In Early years, Science is taught through the children learning about the world around them in their learning through continuous provision and play. Additional opportunities to improve Science capital and aspiration are gained through our curriculum enrichment focus e.g Science days, after school STEM clubs.

Our curriculum follows a clear progression of knowledge and skills we want our children to achieve by the end of their time here with us. Our teachers share a love and passion of exploring science with their pupils and with their guidance and expertise pupils gain valuable scientific knowledge to fuel their own opportunities of discovery.

We build upon the learning and skill development of the previous years. As the children's knowledge and understanding increases, and they become more proficient in selecting, using scientific equipment, collating and interpreting results, they become increasingly confident in their growing ability to come to conclusions based on real evidence.

'Working Scientifically' skills are embedded into lessons to ensure these skills are being developed throughout the children's school career and new vocabulary and challenging concepts are introduced through direct teaching.

By allowing our children the chance to explore the sciences with the guidance and support of our staff and a well designed curriculum we aim to systematically develop and sustain a learner's curiosity, enthusiasm and engagement with the fascinating world around us. We want all our children to know that not all scientists wear a white coat... they also dress in school uniforms.

Ambitions for the future:

- Aerospace engineer
- Agricultural engineer
- Anaesthetist
- Biochemist
- Biomedical scientist
- Chiropractor
- Clinical psychologist
- Clinical scientist
- Cognitive behavioural therapist
- Criminologist
- Cyber intelligence officer
- Dentist
- Dietitian
- Forensic psychologist
- Geneticist
- Geoscientist
- GP
- Health visitor
- Medical physicist
- Midwife

- Nurse
- Oceanographer