



# Burnopfield Primary School

## Science Policy



***'To inspire, challenge and care'***

<b>Teaching and Learning Drivers</b>	<b>Curriculum Drivers</b>
<p><b><i>Growth Mindset</i></b>  <b><i>Respect</i></b>  <b><i>Well-being</i></b></p>	<p><b><i>Inspirational People</i></b>  <b><i>Adventure</i></b>  <b><i>Aspiration</i></b></p>

At Burnopfield Primary School science is a high-profile core subject as it provides the foundations for understanding the world. Through building key knowledge, concepts and skills, pupils develop a sense of excitement and curiosity about natural phenomena.

Intent	Implementation	Impact
Our intent is to teach the Science National Curriculum through exploration, investigations and discovery.	We teach children five key science skills they need to help them become scientists; helping them to understand the importance of fair testing, recording results and interpreting their findings. These skills support both knowledge / conceptual development and working scientifically to match pupil performance to national Key Stage expectations. Conceptual threads called 'science models' link topics and support progressively deeper learning. There are 4 science models that span the curriculum.	A skills-focussed approach to teaching ensures an appropriate and flexible challenge within the classroom using dual objective planning. Children will be able to apply these skills across different areas of science. They will be able to ask questions and suggest ways to investigate, drawing conclusions from their results.
Our intent is to excite and engage children with science.	We instil a sense of curiosity, enquiry and love of learning for our budding scientists who love asking questions about the world around them. We start our science topics with the children's current level of knowledge and build on it; exploring their ideas and allowing them to find out answers to their own questions as we go. We frequently plan science visits, invite visitors and encourage outdoor science lessons in order to excite children about science. We work hard as a staff to raise the profile of science in our school through inspiring displays, science days and high quality work in books.	Children find things out for themselves rather than just being told. They use equipment and resources like real scientists. Children use their growth mindset and independence when planning and carrying out investigations. Children know what it means to be a scientist and what scientists do. They know about different scientists and what they are famous for.
Our intent is to raise children's aspirations in science subjects.	We are constantly looking for new and exciting ways to raise aspirations: by introducing science topics with an inspirational scientist; by encouraging children to understand how science is essential in their everyday lives and by introducing children to the type of careers which are available to them within STEM subjects.	Children know about some careers that use science. They know that anyone can be a scientist and that there are different types of scientists. They want to take part in science lessons and learn more about the subject and famous scientists.

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