



Science Curriculum Intent, Implementation and Impact Overview

Science Curriculum Intent

It is our intent at Beverley St Nicholas Primary School for pupils to be fully immersed in every aspect of Science and for them to recognise the importance of Science in daily life. We ensure the teaching and learning of Science has the importance and prominence it deserves by delivering a well-rounded, engaging curriculum. We use Snap Science as programme of study which enhances our quality first teaching. The Scientific area of learning is concerned with increasing pupils' knowledge, understanding of our world, and with developing skills associated with Science as a process of enquiry. It will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence. Science is encouraged to be hands on, investigative and fun.

The aims of Primary Language teaching at Beverley St Nicholas Primary School are to:

- ✓ Foster science capital by exposing children to scientific vocabulary in a meaningful way that is enjoyable and accessible to all pupils.
- ✓ Provide children with a science curriculum which is underpinned by; Global citizenship, Wellbeing and Aspirational values.
- ✓ Stimulate and encourage children's curiosity about science in the wider world and making it meaningful.
- ✓ Support maths and literacy through investigating and presenting scientific enquiry so that children; know more, remember more and understand more.

We have identified the key intentions that drive our Science Curriculum. At Beverley St Nicholas our Science curriculum intentions are:

| Intent | Research Link | Implementation | Impact |
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| Intention 1: To build a science curriculum, which develops learning and results in the acquisition of | When developing our science curriculum we researched many different programmes of study and | <ul style="list-style-type: none"> • Clear and comprehensive scheme of work in line with the National Curriculum | <ul style="list-style-type: none"> • Children will know more, remember more and |

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| <p>knowledge and skills which enables children to access the wider curriculum and to prepare children to be a global citizen now and in their future roles within a global community. Children will know more, remember more and understand more. To design a curriculum with appropriate subject knowledge, skills and understanding to fulfil the duties of the NC whereby schools must provide a 'balanced and broadly-based curriculum which promotes the spiritual, moral, cultural, mental and physical development of pupils and prepares them for the opportunities and responsibilities and experiences for later life.</p> <p>2016</p> | <p>we found that Snap Science covered all our aim and fit with our whole school ethos. Snap has been created by a team of leading experts to give subject leaders and teachers the confidence to develop a new scheme of work for science for their school which clearly meets the aims of the new National Curriculum for Science. This collection provides sample activities for each Year group at primary level which inspire, motivate and encourage children to think.</p> <p>As a school we also use the PLAN primary science assessment resources. PLAN science assessment includes:</p> | <p>(Snap Science). The science curriculum focuses on the statutory curriculum and enhances this by developing and promoting science capital.</p> <ul style="list-style-type: none"> • Science Focused Vocabulary Working Walls and displays throughout school focus on key vocabulary and skills. • Wider Curriculum science will be reinforced through Cultural activities and events such as a National science week, The Big Science Share and science clubs. • Science displays celebrate the scientific skills taught within our school. | <p>understand more about science capital.</p> <ul style="list-style-type: none"> • Children will recognise and apply key scientific vocabulary both verbally and written. • The large majority of children will achieve age related expectations by the end of the year. |
| <p>Intention 2: To build a science curriculum that incorporates the understanding of science skills so that children know more, remember more and understand more. As a result, children will develop the knowledge to be able to communicate in another language other than English. To design, and resource, a French programme of work within the</p> | <ul style="list-style-type: none"> • knowledge and working scientifically matrices that provide additional guidance which clarifies the statements for each year of the National Curriculum • annotated collections of children's work that provide examples of work that meet the expectations of the | | |

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| <p>MFL curriculum which enables pupils to explore the cultural capital of another country through its language and traditions.</p> | <p>knowledge statements for each topic from each year of the science National Curriculum</p> <ul style="list-style-type: none">• progression documents that highlight the links between the topics taught in different year groups and the development of working scientifically skills• CPD resources that can be used for your personal development or with teachers during CPD sessions. <p>These resources have been quality assured and moderated by the PLAN team of primary science consultants, so teachers and subject leaders can use them with confidence.</p> | | |
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