



# Bevendean Primary School and Nursery

📍: Heath Hill Avenue, Brighton, BN2 4JP

☎: 01273 681292

📠: 01273 622334

✉: [admin@bevendean.brighton-hove.sch.uk](mailto:admin@bevendean.brighton-hove.sch.uk)

🌐: <https://bevendean.eschools.co.uk/website>

Headteacher: Mr. M Dally

Deputy Headteacher: Miss. S Miller

---

## A place for everyone to succeed and thrive

At Bevendean Primary School and Nursery, we are committed to providing our children with a curriculum that has a clear intention and impacts positively on developing them as a learner.

### Curriculum statement for the teaching and learning of Science

Intent	<p>At Bevendean Primary School and Nursery, we intend to provide a high quality science education that provides opportunities to develop scientific knowledge and understanding through the specific disciplines of biology, chemistry and physics. The National Curriculum provides the structure and skill development for the science curriculum, supported by our use of Snap Science by Collins Connect, which has then been developed by the teachers, to ensure we provide pupils with a range of experiences through engaging and stimulating lessons.</p> <p>We understand the importance of developing topic specific vocabulary and ensure this is built into each unit and recapped.</p> <p>We want our children to recognise the importance of science in all aspects of everyday life.</p> <p>Develop sense of curiosity</p> <p>Drawing on previous learning and their own experiences ....</p> <p>Our children will develop respect for living organisms and for the physical environment.</p> <p>Develop the children understanding of the changing world in which they live.</p> <p>Use a range of methods to communicate their scientific information and present it in a systematic, cross-curricular manner, including I.C.T., diagrams, graphs and charts and a variety of written text types.</p> <p>Develop a respect for the materials and equipment they handle with regard to their own, and other children's safety.</p> <p>In Early years, science is taught through the children learning about the world around them and in their learning through play. We intend for the Science curriculum to give children the opportunities to ask questions and explore the world in a meaning full way that prepares them for the next stage of their education.</p>
--------	---

	Scientific and Conceptual Understanding	Develop Understanding to answer scientific questions	Uses and Implications of Science
Underpinned by..	<p>Our topics follow a sequence across the school to ensure our children develop the necessary knowledge and skills so they can build upon them throughout their time at Bevendean Primary School and Nursery. We understand the importance of children having a secure knowledge base and provide a bespoke curriculum where needed or take this into account when planning and teaching.</p> <p>As a school we understand the importance of having a secure technical and topic specific vocabulary and build opportunities for developing this each lesson. As well as providing opportunities for children to apply their mathematical knowledge through collecting, presenting and analysing data.</p>	<p>Our children develop the skills to work scientifically by having them embedded in our topics. We give our children opportunities to use different approaches to answer scientific questions. These include observing over time; pattern seeking; identifying, classifying &amp; grouping; investigations and researching.</p>	<p>We use our Science curriculum to enable children to learn about the world around us. It supports us to gives our children a chance to apply knowledge from other areas e.g. Maths and Geography. We allow children to ask questions and find the answers to involve them in their own learning. We work hard to develop an understanding that science has changed our lives and that it is vital to the world's future and how it impacts on daily life now and in the future.</p>

Implementation	<p><b><u>How do we implement this?</u></b></p> <p>At Bevendean Primary School and Nursery we use the scheme Snap Science, developed by Collins Connect which is refined by staff. We follow the programmes of study for each year group to ensure we provide a broad and balanced curriculum with a balance of working scientifically and learning scientific facts.</p> <p>At the beginning of each lesson, prior learning is reviewed, to link with new learning, and topic specific vocabulary is discussed. This is followed by well-planned science teaching embedded with meaningful, memorable and practical learning experiences to provide opportunities for pupils to develop and build on their scientific knowledge while increasing their 'working scientifically' skills.</p> <p>Our bespoke children are supported to access the lessons in a variety of ways: adult support, scaffolded activities, more visual tasks, etc. To enable our children to achieve their year groups curriculum, we ensure there are a range of activities that they are exposed to so that writing is not a barrier to recording their Science learning.</p> <p>In Early Years, weekly lessons are planned to teach skills or knowledge that prepare our children to access the Science curriculum. They are provided with opportunities of hands on learning, at an age-appropriate level, which aims to engage and interest them, encouraging them to ask questions. All of these activities are linked to 'Understanding the World' aspect of the EYFS curriculum and ensuring the children are exposed to the world around them, use their senses to explore and develop knowledge about themselves, how their bodies work and how to keep themselves safe and healthy.</p>
----------------	---

Broad and Balanced Curriculum

Within the curriculum, we ensure that our children are exposed to a range of experiences, both in and out of the classroom. Our lessons build on skills, year on year and from Key Stage to Key Stage. We embed recapping of learning within our lessons so that our children can see the links in their learning.

Trip and visits are an important of school-life and we look for opportunities to link these with our Science curriculum. Our outside space is regularly used to enhance our lessons, with our children able to connect their Science learning with their real-life experiences.

Practical Activities

When planning our Science curriculum, we provide our children opportunities to take part and experience lessons with practical elements, where possible, alongside the knowledge & skills based lessons.

We find this increases the level of pupil engagement and enjoyment as well as retention of knowledge.

Developing Vocabulary

Vocabulary is given high priority in our Science lessons to ensure our children have the necessary language to access a topic as well as developing their vocabulary bank. For each unit of Science, key vocabulary is identified, introduced and recapped across the series of lessons.

Thoughtful Questioning

In our Science lessons, questioning is used for a variety of reasons: to identify misconceptions from learning, to deepen understanding, to give opportunities for discussion/debate and to assess the children's learning and prior knowledge. The questions we ask are carefully thought through to ensure all children are able to access them and move the learning forward.

Cross Curriculum

We use knowledge of other curriculum areas to support learning in Science. Children apply their Maths when reading scales, recording and representing data, sorting information, etc. We make links with physical geography by using our local and school area as well as having real-life experience with the weather & seasons. For PSHE and PE, we link our learning about the body and how it develops.

We continue to strive to increase our opportunities to cross-curricular links.

Support and Challenge

Within our whole curriculum, we aspire to support and challenge all of our children to 'keep up, not catch up' with their learning. In our Science curriculum, lessons and activities are designed to enable all children to access the learning at their own pace and level, whilst providing opportunities for deepening understanding through challenge.

This may be seen through task/resources, questioning, levels of support, presentation of work and representation of findings.

Impact	<p><b>How do we measure this?</b></p> <p>Delivering the above Science curriculum, will result in our children being able to:</p> <ul style="list-style-type: none"> <li>• Know, remember and understand the knowledge and skills they have been taught through the Science curriculum lessons.</li> <li>• Retain prior-learning and make connections between this and their current learning.</li> <li>• Show progress within our Science assessments throughout their school career.</li> <li>• Apply a variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills</li> <li>• Develop and use a richer vocabulary which will enable them to articulate their understanding of taught concepts</li> <li>• Show confidence and a love of learning for all things science.</li> </ul> <p>We want our children to say they love Science!</p>	
	<p>Pupil Voice</p> <p>We use pupil voice regularly to identify a range of information: levels of enjoyment, retention of information, monitoring of teaching &amp; learning and experiences that they have had.</p> <p>Our children will talk confidently about their learning, their lessons and show an interest in this.</p>	<p>Evidence in Knowledge and Skills</p> <p>Our children will be able to share their knowledge and skills in each lesson, through recapping of learning in lessons as well as cross-curricular opportunities; through their work in their books, which will show support and challenge if applicable; be able to verbally explain their understanding, which will include the vocabulary that has been developed; and build on learning from previous years to create confident scientific learners.</p> <p>All of our learners will be able to show their understanding of the Science curriculum throughout the lessons, which will be assessed by their class teacher against each lesson's learning objective. These assessments will be part of the child's school journey to enable all learning to be built on and developed.</p>
Measured by....		