



South Bank Primary School Curriculum Statement

Science

2024/2025

Subject Leader: Sam Britton

Intent

At South Bank Primary we aim to deliver high-quality science education that engages and inspires pupils to become inquisitive learners who recognise the importance of science in everyday life. Our science curriculum encourages pupils to become young scientists through developing their skills to explore, question and develop their own lines of enquiry. We use Grammarsaurus to inform our lessons and teachers add to and adapt the lessons to suit the needs of the children.

At South Bank Primary School we aim for all children to achieve the following:

1. To become enthusiastic and curious scientists who enjoy learning about the world around them.
2. To develop scientists who are respectful of the natural world and understand the impact humans have on their planet.
3. To develop a secure understanding of scientific concepts and to apply this understanding.
4. To secure understanding of key scientific vocabulary and to use this to explain their understanding.
5. An understanding of the role science plays in the world around them.
6. The understanding and skills to be able to work scientifically.

Through our science curriculum children will be exposed to a range of teaching and learning experiences including trips, welcoming visitors, and taking part in hands on experiments.

Science has changed our lives and is vital to the world's future prosperity – children at South Bank Primary will recognise this and will see the opportunities that science can open for them in the wider world.

Implementation

At South Bank Primary we follow the National Curriculum and have carefully mapped out the objectives to ensure skills and knowledge are built on progressively.

In the EYFS we understand that science begins with children's very first acts of exploration. We ensure that we provide a stimulating and engaging environment (both indoors and outdoors) which encourages children's scientific enquiry. The teachers in the EYFS develop children's understanding of the world and trigger curiosity through the use of open-ended questioning.

Science is taught in topics, discretely throughout Key stage 1 and 2. Teachers are familiar with previous and subsequent year groups' content, which enables them to link to prior learning and build on previous knowledge.

Teachers check on what children already know before beginning each unit of work with an oral or written pre-assessment task. This is then used as a starting point for planning an appropriate sequence of lessons. Following an inquiry-based approach to learning throughout each topic, and practical activities as much as possible. Children are then asked to review their learning at the end of each topic through a final assessment.

Our curriculum provides children with the opportunity to progressively acquire a wealth of knowledge and information. This is supported by the use of topic based vocabulary, which is displayed on science working walls. Teachers regularly refer to this key vocabulary with meanings so that the children understand the vocabulary and are able to use it themselves within their written and practical work. The curriculum is designed to inspire the children to understand how and why things work and for them to want to make a difference in the world.

During Science week, we will have visitors from NERAP coming to school to deliver workshops to children from Y2-Y6. These workshops are based around how science is used within a variety of different careers.

Science evidence will be recorded in science books and floor books. Formative assessment is completed using Sonar at the end of each science topic and summative assessment is then completed at the end of each term.

Impact

Children will develop a love for the natural world and excitement for future possibilities in science. They will understand that science is key to unlocking possibilities and opening up a new world. They will recognise a range of careers that are science based and will have experiences of engaging with professionals from the field of science. Our curriculum will support all children to believe they are scientists and can achieve in this area.

Children will develop a range of skills through the science curriculum. They will be able to question ideas and reflect on knowledge and will retain knowledge that is pertinent to science with a real-life context. Children will be able to articulate their understanding of scientific concepts and be able to reason scientifically using rich language linked to science. Through working collaboratively and practically, children will be able to investigate and experiment at all levels of learning.