# St Paul's CE (VC) First School
# Coven

# Science Policy
# Updated March 2024



C. Woodgate

# St Paul's First School, Coven
# Science Policy

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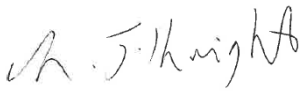
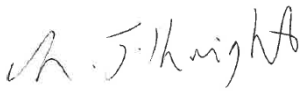
| Comments: | Written in September 2020 by J. Evans<br>Review at least annually |
| Signed: |  <br>A. Hyett, Chair of Governors, 12/10/2020 |
| Reviewed: |  <br>L.Knight, 24/01/2022 |
| Reviewed: |  <br>L.Knight, 21/03/2023 |
| Reviewed |  <br>J. Sawyer, Chair of Governors, 20/03/2024 |
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***"...Science and everyday life cannot and should not be separated"***

***Rosalind Franklin***

## Our School Aims.

This policy outlines St Paul's First School's aims and strategies for the successful delivery of Science. This policy should be read in conjunction with other key school policies such as Curriculum intent, Teaching and Learning policies, Finance, Health and Safety and SEND policies.

This policy has been developed by the Science Leader in consultation with the teaching staff and senior leadership team. Guidance from pupil, and staff voice questionnaires have helped to shape this policy. This policy will be updated yearly to reflect any new initiatives and changes to national curriculum expectations.

## Rationale

St Paul's First School believes that every child should have the right to a curriculum that champions curiosity, supporting pupils in achieving to the very best of their abilities. By providing interesting and exciting learning opportunities, we recognise the value that high quality Science education can play in enriching and inspiring pupils.

Science at St Paul's First School aims to provide pupils with the understanding, knowledge and skills required to investigate scientific concepts. Our pupils will understand the impact science has at a global, national and personal level by implementation of these aims:

- Pupils will be competent in planning and carrying out scientific investigations.
- To inspire pupils to be scientifically inquisitive with a curiosity for learning
- Create learners who can evaluate evidence and present findings accurately and clearly.

## Curriculum Objectives.

Alongside our school CARE values, our scheme of work follows Cornerstones Schemes of work. This includes topic related lessons, and knowledge focused investigations known as 'Love to Investigate'. Cornerstones supports our teachers in planning fun, engaging science lessons which help to raise standards and allows all pupils to achieve to their full potential.

Any areas not covered by cornerstones are planned in line with the National Curriculum. The curriculum has been organised so that there is a bank of investigations provided to support less experienced teachers to deliver high quality lessons.

## Early years

In the EYFS children learn about the world around them through the 'The Natural World' and 'Managing Self' as detailed in Development Matters Framework 2020. The Early Learning Goal, 'The Natural World' involves guiding children to make sense of:

- the natural world around them, making observations and drawing pictures of animals and plants;
- Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class;
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

Children's interests and experienced are followed, in addition to any seasonal changes; the importance of a healthy diet and exercise and discussions about similarities and changes appropriate to their age and development is explored in the Early Learning Goal "Managing Self". Through observations, child-initiated and focused adult-led teaching, children build on their knowledge and are encouraged to ask enquiring questions.

## Assessment.

Formative assessment is undertaken in each Science session and pupils are encouraged to be involved in the process when looking at Success Criteria and Learning Objectives,

At Class Teacher's discretion, SeeSaw may be used to record the pupils working scientifically and this will be identified by the SeeSaw logo sticker.

The class teacher at the end of a taught unit will complete Rising Stars Assessments to prompt their summative judgements. Summative Assessment is completed termly using O Track.

## Resources.

All resources are procured with the consideration of value and impact. The resources must have meaningful impact on the pupil's learning and allow them to work scientifically using equipment. Protocol details for resources can be seen in the school's finance policy.

Resources are maintained and replenished when needed, or when they have been brought to the attention of the Science Leader.

## Inclusion.

**See Inclusion Policy for learning**

## Monitoring and evaluation.

The subject leader is responsible for monitoring the standard of the children's work and the quality of teaching in line with the schools monitoring cycle. This may be through lesson observations, staff feedback, planning scrutiny, pupil discussion and evaluating pupil work.
Monitoring standards of teaching and learning within science is the primary responsibility of the Science Leader alongside SLT. The Science leader may conduct the following to check the successful implementation of the curriculum:

- Learning Walks
- Book Looks
- Governor meetings
- Pupil and Teacher Voice Questionnaires
- Moderation with other schools in SUAT.

## Roles and Responsibilities.

**Roles of Head Teacher and SLT:**

- Monitoring the implementation of the Science policy and associated Feedback and Assessment Policies.
- Approving Policies for Science alongside the LAC.

**Roles of the Science Leader:**

- Raising the profile of science in the school and wider community
- Monitoring the standards of Science
- Giving Feedback to develop standards of Science Teaching

- To provide/ find opportunities for CPD for staff

**Roles of the Class Teacher:**

- To plan alongside the Cornerstones Scheme of Work and the National Curriculum to ensure sequencing and quality of knowledge.
- To Assess children in their ability in Science using O Track and Rising Stars.
- To motivate and inspire children in Science lessons.