



Believe. Achieve. Succeed. In our hands we hold the future.

Science Policy

What is this policy for?

This policy sets out how we teach Science in line with the legal requirements of the National Curriculum 2014. It demonstrates how our provision for Science offers breadth and balance. It describes how our provision for science contributes to our school pledge, which states that all pupils will build a bridge during the time they are in school.

The vision for Science

At Hutton CE Primary we believe that the curriculum should develop scientific knowledge and conceptual understanding. Central to this is the opportunity to pose questions, investigate answers and hypothesise in order to generate further questions. Through the curriculum children understand the nature of the processes and methods of science through a range of scientific enquiries which help them to answer scientific questions about the world around them through rational explanations.

When is Science taught & learned?

Science topics are taught in termly blocks. Other curriculum links are made as appropriate e.g. Data Handling, Great Fire of London (Y1).

How is Science taught & learned?

Teachers teach the curriculum through a weekly science lesson.

Science is delivered to Foundation Stage pupils through the Knowledge and Understanding of the World (KUW) strand through a cross-curricular topic-based approach at various points throughout the academic year.

Children's learning is checked via low stake quizzes in order to consolidate and retain knowledge learned. This intention is that as this revised programme is further embedded the children will still retain knowledge from previous year groups e.g. in year five they will still be quizzed on knowledge learnt in year three.

What do we learn in Science?

The content of the Science Curriculum is organised into units of work. Through these units children are taught the 'skills' of working scientifically. These units follow those laid out in the National Curriculum and are contained in the long term plan. This year (2019/20) year 3 and 4 are both following the year 3 curriculum as it is the last year of our old two year rolling plan. From September 2020 each class will follow their own curriculum.

Children learn to; ask questions and plan an enquiry, set up enquiry, observe and measure, record, interpret and report and, evaluate. This is done through practical work and investigations.



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How do we measure success in Science?

Science is assessed formally three times a year. Teachers assess informally whether pupils are able to work at and retain age appropriate knowledge as the year progresses in order to inform their planning. Teachers record whether pupils are working at, above or below the age expected goals. Children's learning is checked by the teacher via low stake quizzes in order to determine which knowledge has been retained and learned. The science subject leaders undertake pupil interviews to determine the conversation pupils can have regarding their scientific knowledge.

Budget and resources

The school has a good range of resources which are stored centrally where everyone can access them.

Subject leaders manage their subject resources and because funds are tight informs the Headteacher if additional resources are required.

Safety & Risk

Risk assessments are made for every off-site visit, whether local or further afield. Where there is doubt guidance is sought from the education visits co-ordinator with reference to the relevant policy.

Practical investigations are carefully thought out and take into consideration the particular needs of children with regard to safety, for example food allergies.

Community Involvement & Collaborations

Science often takes children out into the community to study the flora and fauna of the local area and to observe seasonal changes. This involves the local and wider community and children are made aware that they are ambassadors for the ethos and values of Hutton CE Primary whilst they are out.

We work with our wider school community through science fairs and the Science Challenge. Parents, governors and carers are invited in to school during science week and for community building days where a STEM challenge is given e.g. bridge building (span and weight carrying capacity), den building (materials and their properties).

Monitoring and Evaluation

The science team monitor the standards of teaching and learning. This occurs through a range of activities; monitoring planning, observation of lessons, work sampling and pupil interviews.

Information gathered is shared with the leadership team and through the link governor for science.

Policy written: February 2020

Policy review: January 2025

Philippians 4:13: I can do all this through Him who gives me strength
Science Policy – January 2023



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Ratified by the Local Governing Body and signed by chair or vice- chair:

23/1/23