



The C of E Federated Schools of St Mary's and St Saviour's



Science Policy

Ratified: Spring 2021 Reviewed: Every 2 years
Next review: Spring 2023

Teaching and learning styles include:

- KS1 – 1 hour per week, KS2 – 2 hours per week
- Whole-class teaching
- Share LI, SC and vocabulary
- Teacher demonstrations to impart knowledge and explain scientific concepts
- Enquiry-based research activities
- Encouraging children to ask, as well as answer, scientific questions;
- Use of a variety of data, such as statistics, graphs, pictures, and photographs
- Use of ICT to find, select and analyse information; to record, present and interpret data and to review, modify and evaluate their work
- Use of drama and role play to prepare and present research and findings
- Large amount of practical work included across units and year

Provision:

We match the challenge of the task to the ability of the children in a variety of ways, including:

- common tasks which are open-ended and can have a variety of responses
- tasks of increasing difficulty
- grouping children by ability and setting different tasks for each ability group
- providing resources matched to the ability of the child

Curriculum:

- Long term planning to match updated National Curriculum objectives
- All year groups have units mapped out on the unit planner in line with the curriculum
- Empiri- box science used in Y3 and 5
- Outdoor learning encouraged where possible to make use of local environment

Science linked to other areas of the curriculum:

- Offering opportunities to practise maths skills
- Using weights and measures and learn to use and apply numbers
- Estimating and predicting
- Using graphs and tables to represent and interpret data
- Developing oral skills through discussions and through recounting their observations of experiments
- Actively promoting the skills of reading, writing, speaking and listening
- Developing their writing skills through writing reports, projects and by recording information
- Developing the skill of accurate observation and recording of events
- Promoting the concept of positive citizenship

Assessment and recording:

- Work is marked following each lesson with next step marking (green pen questions) frequently evident
- Self and peer assessment used frequently
- Y1-6 complete End of Unit Goals each term
- Teacher assessments are reported to parents at the end of each year in final report

Resources:

- Resources are stored centrally;
- The school library contains many books that match science topics and can be used and displayed in the classroom.

Environment:

- All classrooms have a designated science display
- Appropriate SC1 level descriptors
- Interactive questions and examples of children's work
- Evidence of experiments on display