

FAIRFIELD ENDOWED CE (C) JUNIOR SCHOOL

SCIENCE POLICY

Rationale

Science enables children to develop their curiosity and sense of enquiry, extending their knowledge and understanding of the world around them. It develops their critical and analytical thinking skills.

Purpose

Science provides opportunities for children to:

- Develop their knowledge and understanding of scientific ideas and enable them to understand themselves and their environment.
- Develop their interest and curiosity in science, together with the appropriate practical scientific skills to further their learning.
- Lay the foundation for a progressively deepening knowledge and understanding of scientific concepts and facts that will be useful to the children as adults.
- Develop the children's ability to apply science to the rest of the curriculum and to find solutions to real life problems.
- Develop children's ability to explain what they have found out verbally, pictorially (e.g. graphs/diagrams) and through writing.

Guidelines

1. All children are given equal opportunities to follow the National Curriculum for science.
2. Work is planned to ensure progression of content and skills across each Key Stage, appropriate to the children's ages and abilities.
3. Cross curricular links are made with other subjects, including computing and maths where appropriate.
4. Practical learning experiences are provided, and involve discussion as well as reading and writing.
5. Practical activities should involve appropriate aspects of scientific enquiry; observing, measuring, describing, investigating, co-operating, making and testing hypotheses, experimenting, explaining, looking for pattern and relationship and the drawing of conclusions.
6. All children are made aware of Health and Safety issues when undertaking work in science. They are encouraged to show respect for living things and the physical environment.

Conclusion

Science demands a building up of practical experiences, skills, knowledge and processes that reflect the changing abilities of the children. It is concerned with investigation and the children using investigations to add to their knowledge of the world around them.

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