



# Bishop Bridgeman Church of England Primary School

## Science Curriculum Policy

### RATIONALE

At Bishop Bridgeman Primary School our curriculum is made up of the planned activities that we as a school deliver in order to promote learning, personal growth and development. It includes not only the formal requirements of the National Curriculum, but also an exciting range of opportunities to enrich the experience. We aim to teach our children to grow into positive, responsible role models who can work and co-operate with others whilst developing the knowledge, skills and understanding within subjects as well as a positive attitude to use throughout their lives.

Science enables children to develop their curiosity and sense of enquiry, extending their knowledge and understanding of the world around them. Through building up a body of key foundational knowledge and concepts, pupils will develop a sense of excitement and curiosity about natural phenomena. They will also develop their critical and analytical thinking skills.

### PURPOSE

Science provides opportunities for children to:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop their interest and curiosity in science, together with the appropriate 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
- learn about British scientists and how their work has influenced the world of science.

### 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 ICT, where appropriate.
4. Practical learning experiences are provided, and involve discussion as well as reading and writing. The importance of effective communication and expression of results is emphasised.
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 children using investigations to add to their knowledge of the world around them.

Our school aims to support all families and the wider community. Any queries or concerns regarding individual policies will be considered on an individual basis.

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**Reviewed Date:** September 2018

**Next Review Date:** September 2018