**Science Teaching and Learning – Broad Hinton C of E Primary School**

**'A love of learning for a lifetime of opportunities'**

**'At Broad Hinton School we are proud of our educational heritage, which is rooted historically in Christian belief. We aim to provide opportunities for all to learn and achieve with in a happy, structured and disciplined Christian environment. We welcome everyone to our village school where other faiths, cultures and abilities are received with love, care and respect.'**

| **Science**<br>**Subject lead: Mrs N Wickens Governor: Alex McPherson (Curriculum)** | |
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| **Intent** | ✓ To enquire, explore and observe so that they can retain and develop their natural sense of curiosity about themselves and the world around them<br>✓ To develop a set of values and attitudes which promote scientific ways of thinking and also satisfies this curiosity with knowledge<br>✓ To ask and answer scientific questions<br>✓ To plan, carry out and evaluate scientific investigations, using equipment, including computers, effectively<br>✓ To become effective communicators of scientific ideas, facts and data<br>✓ To develop a respect for the environment and living things and for their own health and safety<br>✓ To have an awareness of how major scientific ideas contribute to technological change and how this will impact on improving the quality of our everyday lives<br>✓ To begin to build up a body of scientific vocabulary, knowledge and understanding which will serve as a foundation for future enquiry<br>✓ To promote opportunities and future employment within the STEM sector |
| **Implementation** | ➢ Various planning avenues are explored to ensure progression in both skills and knowledge<br>➢ Lessons are taught in a range of ways including practical experiments, inclusive and creative activities, and involving computing software where appropriate<br>➢ Science is linked to other areas of the curriculum wherever possible<br>➢ The recording of science can take various forms including specific scientific formats, photos, videos, literary genres, models and displays.<br>➢ Science work is recorded in a variety of written formats and shared through SeeSaw<br>➢ Computing is used to enhance the teaching and learning of science<br>➢ Maths is used to enhance the recording and presentation of data<br>➢ Health and safety is always considered when there are risks, such as when handling hot liquids. |

| Parental engagement | Resources used: | Subscriptions purchased | Support and challenge |
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| ➢ Themed week activities<br>➢ Homework opportunities<br>➢ SeeSaw<br>➢ STEM website page<br>➢ Links with Marlborough College | ➢ Resources boxes gathered for each individual scientific topic<br>➢ STEM Learning resources<br>➢ Wiltshire Learning Resources Library<br>➢ TAPS programme<br>➢ BBC Bitesize and Terrific Scientific<br>➢ Visits and visitors | ➢ Hamilton Trust (moving to this as the main planning structure from September 2024)<br>➢ Wiltshire Learning Resources<br>➢ Twinkl (not predominantly used for Science)<br>➢ PlanPanion | ➢ Scaffolding<br>➢ TA and teacher support<br>➢ Group working<br>➢ Talking rather than writing<br>➢ Secondary courses<br>➢ Marlborough College, Braeside, Oxenwood and Klive Court courses<br>➢ Use of computing for recording in variety of ways<br>➢ Challenge through expectations of explanations and recording<br>➢ Opportunities for involvement in Eco Schools |

This intent has been written as the result of a series of teacher development days and staff meetings focusing on science.
It should be read in conjunction with the following documents:
Teaching and Learning,
Ethos, Behaviour and Discipline,
Assessment for Learning/Assessment and Record Keeping,
Homework,
Health and Safety,
Health and Well-being
SEND and More Able,
Equal Opportunities.
Safeguarding and Child Protection policies,
Governor Visits

**Review of the document:**

This document will be formally reviewed within three years. In the meantime, it will be reviewed by the Science Subject Leader to whom any questions should be addressed.

Written: December 2019
Reviewed: January 2024