Blofield Primary School

Science Policy

Reviewed by: Frazer Heasman

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Review: Spring term 2026



Aims

Science has the potential to provoke children's excitement and curiosity in the world around them. At Blofield Primary School, we firmly believe this curiosity can be satisfied, nurtured and developed through practical and enquiry-based learning experiences. The purpose of our science curriculum is to ensure that our pupils will gain the life-long skills and knowledge needed to become socialised, proficient and insightful citizens of the local and global scientific community in addition to being well equipped for their next steps of education and beyond.

At Blofield Primary School, it is our aim to:

- Instill pupils with excitement and enjoyment in the nature of scientific enquiry and obtaining knowledge;
- Maintain children's curiosity and interest in science throughout their primary education so that engagement and progress is continual;
- Ensure that children of all ability levels are challenged and that their individual successes are celebrated;
- Promote the importance and implementation of practical learning to understand and apply scientific ideas, concepts and vocabulary;
- Ensure children can independently formulate and carry out an enquiry-based investigation before leaving primary education.

Delivering the Science Curriculum

Scientific Knowledge

Scientific knowledge will be acquired and planned wherever possible through a cross-curricular approach to learning. Major concepts, where possible, will largely be discovered and explored through the use of practical opportunities and teacher demonstrations in order for children to gain a personal journey in understanding 'the bigger picture' when faced with significant scientific concepts.

Investigative Skills

Children will have differentiated opportunities to develop their practical and investigative skills over the course of their primary education. To ensure teachers can support the development of specific skills, an emphasis on a section of an investigation will accompany each unit of scientific knowledge.

Assessment

Scientific Knowledge will be assessed through 'knowledge drops' that children will complete for each unit of their year group related scientific knowledge objectives. Teachers will be able to use this as a tool to further progress learning and what potential additional support may be needed for specific objective criteria. Children's attainment will be uploaded onto 'Pupil Asset' at the end of every term so that attainment and progress can be tracked.

Early years

The Early Years curriculum (as set out in the statutory framework for the Early Years Foundation Stage) provides children with the opportunities to explore:

- The natural world around them using knowledge from observation to learn about plants and animals
- Properties of liquids, solids and different materials;
- Different scientific careers through role-play;
- Practical tools in a range of scenarios.
  The free-flow nature of the Early Years timetable will consistently provide opportunities for children to understand these core concepts and open access to resources to support this will be a regular part of the provision for this age range. Along with opportunities to build vocabulary, this will prepare children to have a strong basis of prior-knowledge and learning to draw on for formal introductions to scientific concepts and investigative learning in Key Stage 1 and Key Stage 2.

Role of the Subject Leader

The Subject Leader is responsible for improving the standards of teaching and learning in Science through:

- Monitoring and evaluating
  - pupil progress
  - the provision of Science
  - the quality of the Learning Environment;
- Auditing and supporting colleagues in their CPD;
- Purchasing and organising resources;
- Keeping up to date with recent developments in Science.

This policy will be reviewed according to the emerging needs of our school.