



Learning for Life

Fawbert & Barnard's Primary School

SCIENCE POLICY

Staff consulted September 2022

Governors Ratified: October 2022

Review: October 2025

This policy is intended to ensure consistency across the school. Staff are expected to refer to the following policies when implementing this policy: Curriculum, Teaching & Learning, Assessment & Marking, Behaviour, Equality & Inclusion (SEN, EAL, AMA), Monitoring & Evaluation.

Aims:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.
- Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Agreed procedures

- Links to current theme, real life situations and prior learning are made to widen understanding.
- Teachers use the KAS grid to plan from.
- Key knowledge is regularly revisited through strategies such as hinge questions and mini assessments.
- Once key knowledge has been learnt, lessons are practical and focus on the key skills of ‘working scientifically’ that includes: observing over time; pattern seeking; identifying, classifying and grouping; comparative and fair testing (controlled investigations); and researching using secondary sources.
- Teachers discuss any possible health and safety risks prior to the lesson/activity and review risks assessed.
- Teachers assess pupils at the end of each science unit using ‘comparative assessment’. Identified gaps in learning are addressed prior to moving on to the next unit.
- Teachers make use of computing resources to support the teaching of science such as:
 - Use classroom visualisers as microscopes
 - Data-loggers are used as part of classroom investigations
 - iPads are used to record and present investigation findings
- The wildlife area the school grounds are used to support teaching and learning wherever possible.
- Science resources are stored in the group room and are organised into topic boxes wherever possible e.g. electricity. This is maintained by class teachers and the subject leader. Teachers are able to use the HEC loan scheme to further resource their lessons which are borrowed on a termly basis.
- The science subject leader will maintain links with different partnerships available e.g. Odgen Trust through HEC.

Monitoring and evaluation

We monitor this policy in line with the school’s School Development Plan and Workplan.