



Science Policy for Egerton CP School

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Policy Version	New policy in line with progressive curriculum
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Information in this policy will also refer and is in-line with the following policies:

- Curriculum Policy
- Assessment Policy
- Behaviour Policy
- SEND Policy
- Safeguarding Policy

These policies are available on the school website:

www.egerton.bolton.sch.uk

Introduction

At Egerton, we are ambitious for all children to **Learn** personal, social and academic skills and knowledge, **Achieve** their potential in all aspects of their lives and **Aspire** to bright futures both in careers and relationships in the modern world we live in.

When children secure a place at our school, we firmly believe that they belong at Egerton, and in belonging here, every child is given the opportunity to succeed.

At Egerton, we believe that everyone is a learner. We know that to be successful pupils need to experience positive outcomes in both their learning and well-being. This means that as school leaders, we must have a deep understanding of how learning works to enable children to learn effectively. Our enthusiasm for research and evidence allows us to make better decisions that focus time and resources on the most effective methods for promoting pupil learning.

Vision

At Egerton, we believe that a rich and engaging science curriculum is essential for developing curious minds and critical thinkers. We aim to inspire our pupils to explore the world around them, fostering a lifelong interest in the scientific process and its applications.

Aims

This science policy aims to:

- Ensure that all pupils develop a sound understanding of key scientific concepts.
- Provide a practical and investigative approach to the subject.
- Encourage pupils to ask questions, think critically, and communicate their ideas effectively.
- Support cross-curricular links that enhance the understanding of Science.
- Foster an appreciation of the role of science in everyday life and its relevance to the world beyond school.

Objectives

In accordance with the 2014 National Curriculum, we will ensure that all pupils:

- Develop scientific knowledge and conceptual understanding through the disciplines of biology, chemistry, and physics.
- Develop an understanding of the nature, processes, and methods of science through different types of scientific enquiries that help them to answer questions about the world around them.
- Enhance their skills in working scientifically, including observing, hypothesising, experimenting, and drawing conclusions.

Curriculum Framework

The science curriculum at Egerton follows the structure outlined in the National Curriculum, which includes:

- **Year 1 and 2 (Key Stage 1):** Focus on understanding everyday materials, plants and animals, seasonal changes, and basic scientific concepts.
- **Year 3 and 4 (Lower Key Stage 2):** Emphasis on more detailed study of light, sound, electricity, states of matter, and ecosystems.
- **Year 5 and 6 (Upper Key Stage 2):** Advanced studies of forces, evolution, inheritance, and the impact of human actions on the environment.

Teaching and Learning Approach

- **Active Learning:** Engage students through hands-on experiments, outdoor learning, and interactive activities.
- **Curriculum adaptations:** Tailor tasks and support to meet the varying needs and abilities of all pupils, ensuring inclusivity. Refer to adaptive teaching document for further information.
- **Assessment for Learning:** Implement ongoing assessment strategies, including formative assessments and practical observations that inform teaching.
- **Collaboration and Communication:** Encourage group work and discussions to develop social skills, teamwork, and the ability to express scientific ideas clearly.

Health and Safety

Safety is paramount in our science curriculum. We will:

- Ensure that all scientific investigations are conducted in a safe manner following risk assessments.
- Provide pupils with appropriate safety equipment and knowledge for practical activities.
- Train staff to handle equipment safely and effectively.

Role of the Science Subject Leader

The Science Subject Leader will:

- Monitor and evaluate the quality of science teaching and learning throughout the school.
- Support and advise staff in implementing the science curriculum effectively.
- Lead professional development and training opportunities for teachers.
- Engage with parents and the wider community to promote our science curriculum and achievements.

• Resources

The school will ensure that adequate resources, including textbooks, equipment, and digital resources, are available for effective teaching and learning. Pupils will also have access to a variety of scientific materials for independent study and exploration.

Summary of Expectations (Ofsted Framework)

According to the most recent Ofsted framework, schools are expected to demonstrate:

- **Quality of Education:** A clear and effective curriculum that is coherently planned and sequenced.
- **Personal Development:** Promote pupils' understanding of the relevance and application of science in everyday life, supporting their broader development.
- **Behaviour and Attitudes:** Cultivate a science learning environment that encourages respectful inquiry, collaboration, and a positive attitude toward learning.
- **Leadership and Management:** Effective leadership that drives improvement in the quality of science education, evidenced through monitoring and evaluation processes aligned with the national standards.

Conclusion

This science policy serves as a framework for delivering an outstanding science education at Egerton. By adhering to the guidelines provided in this document, we will create a nurturing environment that promotes scientific inquiry and a passion for learning, in line with the expectations of the 2014 National Curriculum and Ofsted.

This policy will be reviewed annually, and updates will be made as necessary to ensure continued alignment with best practices and national [standards](#).