

Mission Statement:
Creating tomorrow's successful and caring citizens today.



GFM Science Policy

Policy Updated By	Latest Publish Date	Monitoring Cycle
Jacqueline Morris	January 2024	Bi-Annually

Schedule for Development / Monitoring / Review

This policy was ratified on:	January 2024
The implementation of this policy will be monitored by the:	Principal and Senior Leadership Team
The Policy will be reviewed bi-annually, or more regularly in the light of any significant new developments. The next anticipated review date will be:	January 2026
Should serious incidents take place, the following external persons/agencies should be informed:	Akram Tarik (Principal) and in his absence (Vice Principal)

This policy is applied at GFM alongside our school's vision, mission and values. Interwoven with the principles of High Performance Learning; values, attitudes, attributes and A.C.P. Characteristics.

Rationale

Science is a cornerstone of our school curriculum, aligned with the UK National Curriculum, as it fosters curiosity, critical thinking, and a deep understanding of the natural world. Our commitment to Science education stems from the recognition that scientific literacy is essential for informed decision-making, problem-solving, and contributing to advancements in society.

Early Years Foundation Stage (EYFS) - Knowledge and Understanding of the World:

In the Early Years Foundation Stage, our focus is on fostering a sense of wonder and exploration through Knowledge and Understanding of the World. Through hands-on activities, observation, and age-appropriate experiments, students develop an early appreciation for the scientific method, inquiry, and an understanding of the world around them. Activities aim to ignite curiosity and lay the foundation for future scientific exploration.

Vision

'At GFM we empower students to have the heart to celebrate uniqueness and the mind to be innovative, creative problem solvers, bringing a positive change to the world in which we live.'



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Primary Phase

For primary students, our Science curriculum builds upon foundational skills, emphasizing the fundamental principles of biology, chemistry, and physics. Students engage in practical experiments, exploration of scientific concepts, and observation of natural phenomena. The curriculum encourages inquiry-based learning, critical thinking, and the development of scientific communication skills. Collaborative projects foster teamwork and the application of scientific principles in real-world contexts.

Secondary Phase

In the secondary phase, our Science program becomes more specialized, offering students the opportunity to delve deeper into specific scientific disciplines. The curriculum includes in-depth studies in biology, chemistry, and physics, with a focus on practical applications and interdisciplinary connections. Students are encouraged to develop advanced research skills, conduct independent investigations, and explore the ethical implications of scientific advancements.

Assessment

Assessment in Science is comprehensive, encompassing practical skills, theoretical understanding, skill strands and the application of scientific knowledge. Students are evaluated on their ability to design and conduct experiments, analyze data, and communicate scientific findings. Assessments include written exams, practical assessments, and projects that demonstrate the integration of scientific principles into real-world scenarios.

Enrichment

To enrich the Science experience, opportunities for participation in science clubs, visits to laboratories, and collaborations with professionals in scientific fields are provided. These experiences aim to deepen students' appreciation for scientific inquiry, foster a passion for discovery, and showcase the diverse career opportunities in STEM (Science, Technology, Engineering, and Mathematics) fields.

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Parental Involvement:

We value the partnership between the school and parents in nurturing scientific curiosity. Regular updates on the Science curriculum, suggestions for fostering scientific inquiry at home, and invitations to science-related events are provided. Workshops on supporting STEM education and strategies for encouraging children's interest in science are organized to strengthen the collaboration between the school and parents.

In conclusion, our Science policy reflects our commitment to developing scientifically literate individuals with a passion for inquiry, critical thinking, and an understanding of the impact of science on our world. Through a comprehensive curriculum, thoughtful assessment strategies, enriching experiences, and active parental involvement, we aim to empower our students to engage meaningfully with the scientific challenges of the present and future. Please read this policy in line with the Curriculum Policy.

Policy review date: January 2026

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