



Science

Subject Leader Report 2024-2025



Subject Leader: Gemma Walton

Summer Term

This term has seen continued development in the consistency and quality of Science teaching across the school. The subject lead has undertaken focused monitoring including book looks, learning walks, and pupil voice discussions to evaluate the impact of science teaching on pupil outcomes. A key focus has been ensuring progression in scientific enquiry skills and greater independence in practical tasks.

EYFS (Reception and Nursery):

Children have continued their exploration of the natural world with a focus on growth and change. They have observed changes in the environment and explored the needs of living things. A highlight this term was planting and caring for beans and sunflowers, with children recording observations of growth over time. This supported their understanding of life cycles and introduced early data collection skills in a practical, hands-on context.

Key Stage 1 (Year 1 and 2):

In KS1, pupils have deepened their understanding of plants. Year 1 children investigated what plants need to grow, carrying out an investigation to test the effects of light and water on seedlings. Year 2 explored how seeds are dispersed and were able to identify and describe different plant parts and their functions. The use of scientific vocabulary has improved, and pupils demonstrated growing confidence in recording observations through labelled diagrams and tables.

Lower Key Stage 2 (Year 3 and 4):

Children in LKS2 have worked on topics related to plants and animals, including a study of nutrition and the human skeleton. Year 3 conducted practical investigations on the function of roots and the movement of water through plants, using coloured water experiments to observe capillary action. Year 4 explored the digestive system and the roles of teeth, conducting experiments using everyday items to model digestion. Across the phase, children are becoming more skilled in planning and evaluating investigations.

Upper Key Stage 2 (Year 5 and 6):

UKS2 pupils have engaged in the study of Earth and Space and the circulatory system. Year 5 created models of the solar system and tracked the movement of the Earth and Moon, explaining phenomena such as day and night. Year 6 pupils have shown high levels of engagement while investigating the heart, blood vessels, and the role of nutrients in the body. They conducted pulse rate experiments before and after exercise and evaluated how different variables impacted results. There is strong evidence of pupils applying scientific method and terminology with precision.

Next Steps:

Looking ahead, we will continue to build on the strengths observed this year by embedding scientific enquiry skills across all year groups and ensuring consistency in planning for progression. We will increase opportunities for outdoor learning and cross-curricular links, while continuing to support staff confidence in delivering engaging, hands-on Science lessons.



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