

SCIENCE INTENT

National Curriculum EYFS and Key Stages 1 and 2

EYFS

The EYFS curriculum aims to ensure that all children:

- Offer explanations for why things might happen.
- Explore the natural world around them, making observations and drawing pictures of animals and plants;
- Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class;
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

KEY STAGES 1 and 2 AIMS

The national curriculum for science aims to ensure that all children:

- 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.

WHAT SCIENCE LOOKS LIKE AT ULEY SCHOOL

At Uley Primary, we encourage children to be inquisitive throughout their time at school and beyond. The science curriculum fosters a healthy curiosity in children about our universe and promotes respect for the living and non-living. We believe science encompasses the acquisition of knowledge, concepts, skills, vocabulary and positive attitudes. Throughout the programmes of study, the children will acquire and develop the key knowledge that has been identified within each unit and across each year group, as well as the application of scientific skills. We ensure that the working scientifically skills are built-on and developed throughout children's time at the school so that they can apply their knowledge of science when using equipment, conducting experiments, building arguments and explaining concepts confidently and continue to ask questions and be curious about their surroundings.

We enhance the Science curriculum through visits to Slimbridge Wildfowl Trust and We the Curious, a visit from a planetarium, clubs such as the Wildlife and Gardening clubs and through whole school planned science activities.

WHAT THE CHILDREN SAY ABOUT SCIENCE AT ULEY SCHOOL

'I liked how we got to see all
of the constellations'

Class 4 planetarium visit

I like learning about my senses
when making gloop, Y1.



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