

## Science at Epsom Primary and Nursery School

Science is a core subject. We live in a world where scientific discoveries are happening all around us and it is important that we provide the skills and knowledge needed for life in the 21<sup>st</sup> Century. Science is all about asking big questions about the world around us, including living things, materials, forces, energy and the environment.

At Epsom Primary and Nursery School, we nurture children's sense of wonder and natural curiosity. We encourage children to ask questions, solve problems and challenge ideas. We provide hands-on practical science, where children are able to explore scientific concepts, make predictions, observe scientific processes and draw conclusions. Pupils are active scientists who lead their learning.

### Our Aims:

- To spark children's intellectual curiosity and sense of enthusiasm for science.
- To enable pupils to lead their learning through purposeful investigations and experiments.
- To build upon their prior knowledge and understanding in science and apply their scientific thinking.
- To develop pupils' confidence in their understanding and application of scientific skills.
- To provide children with the skills to articulate their learning and use key scientific vocabulary.
- To apply literacy and mathematical skills.
- To encourage pupils to ask questions, investigate, and solve problems.
- To support pupils make links to real-life contexts.
- To help pupils become scientists by developing their problem solving and reasoning skills.
- To teach pupils to work and use resources safely and correctly.
- To prepare the learner for the next stage of their learning and recognise that learning is a life-long process.



As a school, we follow the statutory requirements of the National Curriculum (2014) and ensure working scientifically skills are embedded throughout different topics and across all year groups. Pupils are taught to describe and articulate key scientific processes and use key scientific vocabulary and language. Through our science curriculum, pupils are encouraged to be curious, to be resilient, to work collaboratively and show sensitivity towards living things. They are taught to think scientifically through formal weekly lessons, group activities, individual work, school trips, enquires and curriculum themed days.