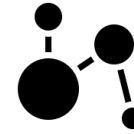


# SCIENCE AT THE COPPICE



## VISION

At The Coppice Primary School, we enable children to develop a deeper understanding about the world around them through teaching the specific disciplines of biology, chemistry and physics. We want our children to develop the necessary knowledge and skills so that they can build their own hypotheses and test systematically.



## DESIGN

Our science curriculum is thoughtfully sequenced with each unit building on previous understanding. Prior knowledge is referenced at the start of new units and key concepts are regularly revisited. Content is taught in small, manageable steps to reduce cognitive load. Children move from knowledge based lessons to utilising their knowledge during scientific enquiries.



## CONTENT

The knowledge in our science curriculum has been carefully selected around the National Curriculum objectives. Children develop an understanding of the nature, processes and methods of science and learn to use a variety of approaches to answer scientific questions. Each unit is packed with vocabulary which is explicitly taught. Children can then use this vocabulary to clearly articulate their scientific understanding as well as apply it in other curriculum areas. Our science curriculum visits the work of a range of noteworthy scientists, specifically selected for their contribution to science and representation of gender and cultural diversity.



## SCIENCE IN ACTION

Children put their knowledge and understanding into action by:

- Raising questions
- Planning fair tests
- Observations
- Recording results
- Presenting findings
- Interpreting results