



## SCIENCE CURRICULUM STATEMENT

### Intent

- Through Science we strive to nurture our children's creativity, knowledge and awe of God's creation through providing a practical and engaging approach to learning.
- All our pupils are encouraged and supported to develop a sense of curiosity and wonder for the world around them and build these firm foundations into the strands of biology, chemistry and physics.
- Our children learn to develop their scientific investigation skills through a range of scientific enquiry approaches which help them to approach, question, strategize, investigate, explore, analyse and summarise their findings.

### Implementation

- Our Science Curriculum provides pupils with a wide range of learning opportunities and memorable, hands-on experiences. Pupils are provided with diverse and rich opportunities for learning that are incrementally planned for cohesion and progression.
- Our Science curriculum ensures that our pupils learn and develop a range of subject specific and transferable skills that equip our learners for future learning.
- In Key Stage One children raise questions and draw conclusions based on observations. Children carry out simple tests using a range of different enquiries, with a strong emphasis on practical experiences to reflect and challenge their understanding. As children move into Lower Key Stage Two, skills are extended and built upon and knowledge expanded through independent research. Children set up and run practical enquiries, such as fair tests, make observations and record and report results in a variety of different ways. In order to deepen understanding and broaden skills, children in Upper Key Stage Two use their knowledge to investigate different phenomena in a more analytical manner. They will encounter more complex and challenging areas of Science, such as evolution and inheritance.
- Our Science curriculum is structured around a scheme of work called Sciencebug. It is further enhanced with a strategic range of planned and embedded enrichment opportunities including Science Theme Weeks, Visiting Natural Historians, Chemistry Workshops, after school Science clubs and Forest School. Further cross-curricular Science teaching is supported through our thematic approach to teaching and learning.

### Impact

- Our engaging and relevant Science curriculum ensures that all pupils are prepared with the skills and knowledge to solve problems and explore the implications for Science today and in the future.
- By the end of KS2 our pupils are equipped with the acquired knowledge required to understand their world, at a local level and also at a much wider scope. Our children have inquiring minds and through harnessing curiosity, develop a deep understanding about science and the natural world.
- Our Science subject leader is Mrs Thorpe, please feel free to speak with Mrs Thorpe if you would like to know more about our Science curriculum provision.