



**Subject
Information
Year 5/6**



Science Upper Key Stage 2

In Upper Key Stage 2, children build upon the foundations of prior Science knowledge and skills. They learn the importance of working systematically and logically, while also being encouraged to explore creative ways of solving problems. Learning balances the acquisition of scientific knowledge with the development of practical processes and skills. Children observe, classify, measure, communicate, and investigate to an increasing degree, and are encouraged to think scientifically, looking for patterns, controlling variables, and applying scientific knowledge to real world scenarios.

Children study a wide range of topics including Living Things and Their Habitats, Animals including Humans, Properties and Changes of Materials, Earth and Space; Forces, Evolution and Inheritance, Light, and Electricity.

Working scientifically remains central to all science activities. Pupils develop skills in planning enquiries, taking accurate measurements using a variety of scientific equipment, and recording results with increasing complexity using diagrams, labels, classification keys, tables, and graphs. They use results to make predictions, set up further comparative and fair tests, and report findings through oral and written explanations, displays, and presentations. Children are also taught to identify and evaluate scientific evidence used to support or refute ideas.

At Kentmere, Upper Key Stage 2 builds children's confidence and independence as young scientists. Through this, pupils develop curiosity, a deep understanding of scientific concepts, and the ability to apply their learning systematically and creatively.