



## Subject Information Year 5/6



# Science Upper Key Stage 2

Upper Key Stage two builds upon the foundations of prior Science knowledge and skills developed, children learn the importance of working systematically and logically as well as encouraging creative ways of looking at problems. Learning contains a balance between acquiring scientific knowledge and understanding and using the appropriate processes and skills. Children are encouraged to observe, classify, measure, communicate and investigate to an increasing degree. We encourage children to 'think scientifically', by looking for common underlying patterns, controlling variables and solving problems which involve the application of scientific knowledge at their level.

### Topics within the National Curriculum are:

#### Year 5

Living things and their Habitats  
Animals including Humans  
Properties and changes of materials  
Earth and Space  
Forces

#### Year 6

Living things and their habitats  
Animals including Humans  
Evolution and Inheritance  
Light  
Electricity

Working scientifically is an important part of all science activities.

Across the Upper Key Stage 2 children will learn to:

- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- Use test results to make predictions to set up further comparative and fair tests
- Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations
- Identify scientific evidence that has been used to support or refute ideas or arguments