



Subject Information Year 3/4



Soaring to success

Science Lower Key Stage 2

Kentmere provides the foundations for understanding the world through three disciplines of biology, chemistry and physics. Science changes lives and is vital to the world's future, and all children are taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, children are encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They are taught to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Topics within the National Curriculum are:

Year 3

Plants
Animals including Humans
Rocks
Light
Forces and Magnets

Year 4

Living things and their Habitats
Animals including Humans
States of Matter
Electricity
Sound

Working scientifically is an important part of all science activities.

Across the Lower Key Stage 2 children will learn to:

- Ask relevant questions and using different types of scientific enquiries to answer them Set up simple practical enquiries, comparative and fair tests
- Make systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- Gather, record, classify and present data in a variety of ways to help in answering questions Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- Identify differences, similarities or changes related to simple scientific ideas and processes Use straightforward scientific evidence to answer questions or to support their findings.