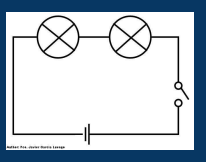
Nurturing every little acorn to become a Mighty Oak

We are Scientists

We spark wonder and curiosity inspiring every child to explore, question and discover. Our aim is to grow confident, capable scientists who make sense of the world around them.



YEAR 6

Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Plan different types of scientific enquiries to answer questions, including recognising and controlling variables

Identify scientific evidence that has been used to support or refute ideas or arguments.

Report and present findings from enquiries, including conclusions

Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate

YEAR 5

Take measurements with increasing accuracy

Record results using diagrams, tables, bar and line graphs

Begin to identify scientific evidence that has been used

Report or present findings in oral or written forms

Plan scientific enquiries to answer questions

Begin to use results to make predictions about further questions

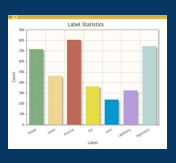
Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.

YEAR 4

Make predictions and use straightforward scientific evidence to explain findings

Set up simple practical enquiries, comparative and fair tests

Ask relevant questions and use different types of scientific enquiry to answer them



Make systematic and careful observations using standard units using thermometers and data loggers

Begin to identify improvemnts

Identify and classify such as living and non-living things and everyday materials

Record and present data in tables, charts and drawings

Use results to draw simple conclusions

Observe closely and use simple equipment to experiment

YEAR 3

Set up simple and practical enquiries

Make observations and take measurements using equipment selected

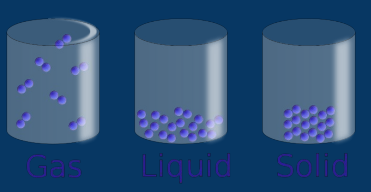
Ask simple questions and recognise they can be answered in different ways

Gather and record data to help in answering questions

YEAR 2

Begin to use ideas to suggest answers to questions

Perform simple tests



Understand some changes in the natural world including the seasons

Make simple observations

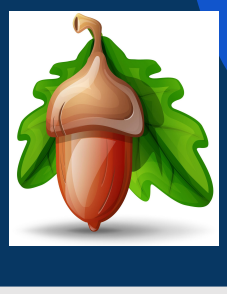
Draw pictures and make observations of plants and animals

Know some similarities and differences between the natural world around them and other environments

Identify key things, such as common wild and garden plants, variety of common animals and label parts of the body.

Use simple equipment to carry out experiments

Explore the natural world around them



Cause and effect

Natural materials

Foundation Stage

Materials with different properties

Nursery