



SCIENCE

YEAR 1

Ask simple questions

Observe closely using simple equipment

Perform simple tests

Identify and classify

Use observations and ideas

Gather and record data

YEAR 2

Ask simple questions, recognising that they can be answered in different ways.

Observe closely using simple equipment

Perform simple tests

Identify and classify

Use observations and ideas to suggest answers to questions

YEAR 3

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

Set up simple practical enquiries, comparative and fair tests

Make systematic and careful observations

Take accurate measurements using standard units and a range of equipment including thermometers and data loggers

Gather, record, classify and present data in a variety of ways

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

Report on findings from enquiries, including oral and written explanations

Present results and conclusions

Use results to draw simple conclusions and make predictions for new values, suggest improvements and raise further questions

Identify differences, similarities or changes related to scientific ideas and processes

Use scientific evidence to answer questions or support findings

YEAR 4

YEAR 4

Use results to draw simple conclusions and make predictions

Report on findings from enquiries.

Record findings using simple scientific language

Gather, record, classify and present data

Take accurate measurements

Make systematic and careful observations

Set up simple practical enquiries

Ask relevant questions

YEAR 5

Gather and record data to help in answering questions

YEAR 5

Plan different types of scientific enquiries, controlling variables where necessary

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

Report and present findings from enquiries, including conclusions, causal relationships and explanations and a degree of trust in results in oral and written forms such as displays and other presentations

Use test results to make predictions to set up further comparative and fair tests

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

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

Plan different types of scientific enquiries to answer specific questions, recognising and controlling variables where necessary

YEAR 6

Report and present findings from enquiries, including conclusions in oral and written forms such as displays and other presentations

Use test results to make predictions

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

Take measurements using a range of scientific equipment, taking repeat readings where appropriate



WORKING SCIENTIFICALLY

WHAT'S NEXT?

Making new discoveries!

