



UKS2

Questioning, experimenting, recording and evaluating

Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

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

Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

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

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

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

YR 7

Questioning, experimenting, recording and evaluating

Asking relevant questions and using different types of scientific enquiries to answer them

Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers

Setting up simple practical enquiries, comparative and fair tests

Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions

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

Using straightforward scientific evidence to answer questions or to support their findings

Identifying differences, similarities or changes related to simple scientific ideas and processes

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

Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions

LKS2

Questioning, experimenting and recording

Asking simple questions and recognising that they can be answered in different ways.

Observing closely, using simple equipment

Performing simple tests

Identifying and classifying

Gathering and recording data to help in answering questions

Using their observations and ideas to

Suggest answers to questions

KS1

Questioning, experimenting and recording

Think of their own ideas

Make predictions

Test their ideas

Develop ideas of grouping sequencing, cause and effect

Make links and notice patterns

EYFS