

Working Scientifically

Reception

Explore the natural world around them, making observations and drawing pictures of animals and plants.

Working Scientifically

Key Stage 1
Year 1 & 2

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

Observing closely, using simple equipment.

Performing simple tests.

Identifying and classifying.

Using their observations and ideas to suggest answers to questions.

Gathering and recording data to help in answering questions.

Working Scientifically

Lower Key Stage 2 Year 3 & 4

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

Setting up simple practical enquiries, comparative and fair tests.

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

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



Working Scientifically

Lower Key Stage 2 Year 3 & 4

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

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

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

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

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



Working Scientifically

Upper Key Stage 2
Year 5 & 6

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.

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

Working Scientifically

Upper Key Stage 2
Year 5 & 6

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

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

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



Working Scientifically Journey at Heath Hayes Academy

