

WORKING

SCIENTIFICALLY

A journey through the curriculum

RECEPTION

- Think of their own ideas
- Make predictions
- Test their ideas
- Make links and notice patterns

EYFS

1

YEARS 1 AND 2

- Ask simple questions, knowing 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
- Gather and record data to help answer questions

2

3

YEARS 3 AND 4

- Ask questions and use different types of enquiry to answer them
- Set up simple comparative and fair tests
- Make careful observations
- Take measurements, using standard units, with a range of equipment
- Gather, record, classify and present data in a variety of ways to answer questions
- Record findings using simple scientific language, drawings, diagrams, keys, bar charts and tables
- Report on findings from enquiries including through explanation, displays or presentations
- Identify differences, similarities or changes related to simple scientific ideas and processes
- Use scientific evidence to answer questions or support findings

5

4

YEARS 5 AND 6

- Plan different types of scientific enquiry to answer questions, recognising and changing variables where necessary
- Take measurements using a range of scientific equipment, with increasing accuracy, taking repeat readings when appropriate
- Record data and results using scientific diagrams and labels, classification keys, scatter graphs, bar graphs and line graphs
- Use test results to make predictions to set up further comparative and fair tests
- Report and present findings from enquiries, including conclusions, relationships and patterns
- Explain the reliability of results
- Identify scientific evidence that has been used to support or refute ideas

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