



Old Dalby C of E Primary School

Subject Progression

Science

EYFS

<ul style="list-style-type: none">- Know about similarities and differences in relation to places, objects, materials and living things.- Make observations of animals and plants and explain why some things occur, and talk about changes.	Key Vocabulary Materials Wood Plastic Metal Paper Glass Animals Plants, Minibeasts, Lifecycle Growth Magnifying glass Observe
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Year 1

<ul style="list-style-type: none">- Ask simple questions and suggest different ways to answer them- Make observations, using simple equipment- With support, perform simple tests- With support, identify and group a range of objects/creatures/plants etc- Make predictions and use own ideas to answer questions- With support, gather and record evidence and findings to answer questions	Key Vocabulary Observe Predict Test Group Measure Record Equipment
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Year 2

<ul style="list-style-type: none">- Ask simple questions and recognise that there might be different ways to answer them- Make and record observations, using simple equipment- Perform simple tests- Identify and classify a range of objects/creatures/plants etc- Use prior knowledge to make predictions and answer questions- Identify, gather and record evidence and findings to answer questions	Key Vocabulary Evidence Classify Prediction Evaluate Change
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Year 3

<ul style="list-style-type: none">- Ask relevant questions- Set up simple practical enquiries- Make systematic and careful observations and, where appropriate, taking accurate measurements using standard units on given equipment- Gathering, recording, classifying and presenting data in a given format to help answer questions	Key Vocabulary Justify Observation Classification Pattern Trend Reflect
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<ul style="list-style-type: none"> - With support, record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables - Follow a template to report on findings - With support, use results to draw simple conclusions, make predictions and begin to evaluate methods - Begin to identify differences, similarities, differences or changes related to simple scientific ideas and processes - Use straightforward scientific evidence to answer questions 	Conclusion Systematic Question Thermometer Equipment Process Accurate Measurement
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Year 4

<ul style="list-style-type: none"> - 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 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 answer questions - Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables - Report on findings using a variety of methods as appropriate - Use results to draw simple conclusions, make predictions, evaluate own practice and raise further questions - Identify differences, similarities, differences or changes related to simple scientific ideas and processes - Use straightforward scientific evidence to answer questions or to support their findings 	Key Vocabulary Observe Enquiry Compare Control Fair test Conclude
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Year 5

<ul style="list-style-type: none"> - Plan different types of scientific enquiries to answer questions and recognise some variables - Take measurements with a range of scientific equipment with increasing accuracy and precision and begin to understand the need for repeat readings - Record data and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar 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. With support, begin to understand causal relationships and evaluate accuracy of results. Present this in a variety of formats. - Begin to independently identify scientific evidence that has been used to support or refute ideas or arguments 	Key Vocabulary Variable Influenced Repetition Precision Connections Reference Comparison Conclusion Combination
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Year 6

<ul style="list-style-type: none">- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary- Take measurements with a range of scientific equipment with increasing accuracy and precision, taking repeat readings when appropriate- Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs- Use test results to make predictions to set up further comparative and fair tests with increasing control of variables- Report and present findings from enquiries including conclusions, causal relationships and explanations of and degree of trust in results. Present this in a variety of formats.- Identify scientific evidence that has been used to support or refute ideas or arguments	<p>Key Vocabulary</p> <p>Justification Factor Comparative Comparatively Contrasting Evaluation</p>
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