



Brough Primary School - Working Scientifically Progression of Skills Year

3&4

Working Scientifically National Curriculum Programme of Study	Working Scientifically Key Vocabulary			Enquiry Types	Planning Process
<p>During Years 3 and 4 pupils should be taught to use the following practical scientific methods, processes and skills through teaching of the Programme of Study content:</p> <ul style="list-style-type: none"> • 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 • 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. 	<ul style="list-style-type: none"> ✓ accurate ✓ aim ✓ answers ✓ bar chart ✓ changes ✓ chart ✓ classify ✓ compare ✓ conclusion ✓ criteria ✓ data ✓ describe ✓ develop ✓ diagram ✓ difference ✓ do ✓ equipment 	<ul style="list-style-type: none"> ✓ evaluate ✓ evidence ✓ explanation ✓ fair test ✓ findings ✓ gather ✓ group ✓ identify ✓ investigate ✓ key ✓ measure ✓ method ✓ observation ✓ observe ✓ pattern ✓ pictograms ✓ plan 	<ul style="list-style-type: none"> ✓ prediction ✓ present ✓ primary source ✓ question ✓ reasoning ✓ record ✓ relationships ✓ results ✓ review ✓ scientific enquiry ✓ secondary source ✓ similarity ✓ sort ✓ standard units ✓ table ✓ tally chart 	<ul style="list-style-type: none"> • observing over time • pattern seeking • identifying, grouping and classifying. • comparative testing • researching. 	<ul style="list-style-type: none"> • What question do we want to answer? (Plan) • What do you think will happen? (Prediction) • What do we change? • What do we keep the same? • What are we measuring? • What are our results? • What have we found out? (Conclusion)



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