



Scientific Skills Progression

EYFS	Year 1	Year 2
→ I am learning to talk about what I can see, touch, hear and feel.	→ I am learning to talk about what I can see, touch, hear and feel.	→ I am learning to use my senses to answer questions about science.
→ I am learning some simple scientific words about science.	→ I am learning some simple scientific words about science.	→ I am learning to use some scientific words to describe what I have seen and measured.
→ I am learning to use first hand experiences to answer questions.	→ I am learning to perform a simple test with guidance.	→ I am learning to carry out a simple fair test.
→ I am learning to use simple equipment to help me make observations.	→ I am learning to use simple equipment to help me make observations.	→ I am learning to use simple equipment and standard units to help me make observations.
→ I am learning to verbally explain in simple terms what I have done or found out.	→ I am learning to verbally explain what I have done or found out.	→ I am learning to say whether things happened as they expected and why.
→ I am learning to organise things into groups.	→ I am learning to organise things into groups and explain why.	→ I am learning to identify, group and classify different things and explain why.
→ I am learning to give simple reasons for my answers.	→ I am learning to give simple reasons for my answers.	→ I am learning to answer scientific questions with reasons for my answers.
→ I am learning how to use simple tick charts and tables to report my findings.	→ I am learning to show my work with pictures, labels and captions, tables and tally charts.	→ I am learning to use text, diagrams, pictures, charts and tables to record my observations.
→ I am learning to verbally explain any patterns I can see in my results and findings.	→ I am learning to recall and record basic patterns that I can see in my results and findings.	→ I am learning how to find simple patterns in my findings and results and explain them verbally and in writing (associations).



Year 3	Year 4	Year 5	Year 6
→ I am learning to suggest different ideas about how to find something out.	→ I am learning to ask questions to help me find something out.	→ I am learning to plan and carry out a scientific enquiry to answer questions, including recognising and controlling variables where necessary.	→ I am learning to explore different ways to test an idea, choose the best way, and give reasons.
→ I am learning to make and record a simple prediction before testing.	→ I am learning how to make a good prediction using basic reasons.	→ I am learning to make a prediction with reasons.	→ I am learning to make a prediction with scientific reasons.
→ I am learning to plan and set up a fair test and explain why it was fair.	→ I am learning to set up a simple fair test to make comparisons.	→ I am learning to set up comparative and fair tests.	→ I am learning to plan and carry out an investigation by controlling variables fairly and accurately.
→ I am learning to measure using different equipment and units of measurement.	→ I am learning to take measurements using different equipment and units of measure and record what they have found in a range of ways.	→ I am learning to take measurements using a range of scientific equipment with increased accuracy and precision.	→ I am learning to decide which units of measurement I need to use with good accuracy and precision.
→ I am learning to record my observations in different basic ways. (labelled diagrams, charts etc)	→ I am learning to record my observations and findings into bar charts, diagrams, classification keys and tables with increased precision.	→ I am learning to record my data and results using scientific diagrams, labels, classification keys, tables, scatter graphs, bar and line graphs.	→ I am learning to record more complex data and results using scientific diagrams, labels, classification keys, tables, scatter graphs, bar and line graphs.
→ I am learning to describe what I have found using	→ I am learning to identify differences, similarities or	→ I am learning to identify differences, similarities or	→ I am learning to find a pattern from my data and explain what



BGA Science Progression Document

simple scientific language.	changes related to simple scientific ideas or processes.	changes related to scientific ideas or processes.	it shows.
→ I am learning to explain what I have found out and use my measurements to say whether it helps to answer my question.	→ I am learning to find patterns in my evidence or measurements.	→ I am learning to present a report of my findings through writing, display and presentation including identifying patterns.	→ I am learning to explain a scientific idea and what evidence supports it.
→ I am learning to use my findings to draw a simple conclusion.	→ I am learning to use my findings and results to write a conclusion.	→ I am learning to present a report of my findings through writing, display and presentation.	→ I am learning to present a report of my findings through writing, display and presentation and to link what I have found out to other science.
		→ I am learning to take repeat readings when appropriate.	→ I am learning to decide whether or not to take repeat readings and give reasons why.