

Science Expectations

Through their learning about a wide range of topics in Science and developing their scientific knowledge, pupils develop a range of skills in working scientifically during their time at Gordonbrock. These skills are developed throughout the year and throughout the key stages by building upon previous skills. This allows pupils to develop a strong set of skills in working scientifically in a large range of contexts.

Year	Skills
Year 1	<ul style="list-style-type: none"> • I can ask simple questions and recognise that they can be answered in different ways • I can identify and sort objects • I can compare and contrast objects • I can observe closely • I can perform simple tests • I can draw simple diagrams • I can use observations and ideas to suggest answers to questions • I can collect and record information
Year 2	<ul style="list-style-type: none"> • I can ask relevant questions and recognise that they can be answered in different ways • I can identify and classify living and non-living things • I can describe how they are able to identify and group objects • I can compare and contrast objects • I can observe closely, using simple equipment such as magnifying glasses and hand-held microscopes • I can perform simple tests • I can draw labelled diagrams • I can gather and record data to help in answering questions • I can use observations and ideas to suggest answers to questions • I can collect and record information to begin answering questions
Year 3 & 4	<ul style="list-style-type: none"> • I can ask relevant questions. • I can conduct a scientific enquiry to answer my own questions. • I can set up a simple scientific enquiry. • I can make careful observations. • I can take accurate measurement using standard units of measure. • I can gather data to answer a question. • I can record data to answer a question. • I can report findings using simple scientific language. • I can report findings using drawings. • I can report findings using labelled diagrams. • I can report findings using a table. • I can report findings from an enquiry orally and in a written conclusion. • I can use results to draw a simple conclusion. • I can use results to make a prediction for further values. • I can identify difference, similarities and changes related to simple scientific ideas.
Year 5 & 6	<ul style="list-style-type: none"> • I can plan different types of scientific enquiries to answer questions. • I can recognise and control variables. • I can take accurate and precise measurements using scientific equipment. • I can take repeat measurements where appropriate. • I can record data and results using diagrams with labels. • I can record data and results using tables. • I can record data and results using bar and line graphs. • I can use test results to make further predictions which will feed into further comparative and fair tests. • I can report findings from an enquiry both orally and in writing. • I can make a conclusion based on a test. • I can explain results from an enquiry. • I can identify a degree of trust within an enquiry.