

Scientific SKILLS (Blue)	Cognitive development (Pink)	Literacy - Writing (Yellow)	Numeracy - Handling Data (Green)
evaluate the quality of experimental data and use this to justify improvements to the method used to collect it.			
create a reasoned hypothesis or conclusion based on evidence and scientific understanding.			
explain why variables in experiments need to be controlled to ensure a fair test.	think creatively to link subject ideas together to demonstrate a depth of understanding.	L5: Paragraphs constructed to provide clarity of meaning.	N5: Select and competently use mathematical techniques to produce and interpret reliable data.
make predictions based on prior knowledge and draw conclusions using evidence.	explain changes using subject specific knowledge for unfamiliar situations.	L4: Use subject language with precision	N4: Construct line graphs from scratch
identify the dependent, independent and control variables in an investigation.	explain changes using subject specific knowledge.	L3: Accurate spelling of subject words. Manner of writing appropriate to task/audience.	N3: Plot line graphs on "given" axes. Draw conclusions from line graphs
identify patterns in sets of results.	recall facts from science specific situations.	L2: Subject language used in writing	N2: Calculate and use mean averages. Record data in tables
measure quantities using simple instruments.	recall facts from everyday situations that involve science.	L1: Basic spelling accuracy. Legible writing. Basic sentence construction with capital letters and full stops.	N1: Extract data from tables and graphs.