

Assessment area	Developing	Secure	Excellent
SCIENTIFIC KNOWLEDGE	<p>Can:</p> <ul style="list-style-type: none"> Use simple terms to describe processes. Recall some scientific facts. 	<p>Can:</p> <ul style="list-style-type: none"> Use appropriate terminology to describe processes. Consistently recall scientific facts. 	<p>Can:</p> <ul style="list-style-type: none"> Consistently use appropriate terminology. Apply facts to unfamiliar contexts.
UNDERSTANDING AND APPLICATION OF KNOWLEDGE	<p>Can:</p> <ul style="list-style-type: none"> Demonstrate an understanding of core scientific processes and ideas. 	<p>Can:</p> <ul style="list-style-type: none"> Explain and apply concepts using their own scientific phrases. Apply a valid model. 	<p>Can:</p> <ul style="list-style-type: none"> Show a consistently high standard of understanding and applies key concepts across topics. Use a model to explain a concept. Apply scientific models to an unfamiliar context.
PRACTICAL SKILLS	<p>Can:</p> <ul style="list-style-type: none"> Follow a simple risk assessment and take appropriate precautions. Follow a method and produce results. Identify some variables. 	<p>Can:</p> <ul style="list-style-type: none"> Identify hazards and risks in practical tasks. Plan a valid experiment to collect results with appropriate guidance. Describe patterns of results. Identify the independent and dependent variables. 	<p>Can:</p> <ul style="list-style-type: none"> Always work safely without specific guidance. Use scientific theory to explain experimental outcomes. Confidently identify the key variables in an investigation.
USING DATA AND MATHEMATICS	<p>Can:</p> <ul style="list-style-type: none"> Record results in a table and plot a graph. Use results to state the relationship shown in the data. 	<p>Can:</p> <ul style="list-style-type: none"> Show evidence of simple data handling e.g. calculation of means. Record data in a table with appropriate units and plot a suitable graph. Write a simple conclusion from practical results. 	<p>Can:</p> <ul style="list-style-type: none"> Show evidence of further processing of data. Design a table to record data. Explain the relationships between variables in practical results. Identify limitations within experiments.