

LEVEL OF LEARNING THRESHOLD GRID Year 8

DEPARTMENT/SUBJECT: SCIENCE



BOURNEMOUTH SCHOOL
FOR GIRLS

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. Apply an example of a model to their learning. 	<p>Can:</p> <ul style="list-style-type: none"> Explain and apply concepts using their own scientific phrases. Use a model to explain a concept. 	<p>Can:</p> <ul style="list-style-type: none"> Show a consistently high standard of understanding and applies key concepts across topics. devise a simple model to explain a concept. Distinguish between key terms e.g. heat and temperature.
PRACTICAL SKILLS	<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. 	<p>Can:</p> <ul style="list-style-type: none"> Design a suitable risk assessment and take appropriate action. Use appropriate scientific theory to explain experimental outcomes. Confidently identify control variables within experiments.

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USING DATA AND MATHEMATICS	<p>Can:</p> <ul style="list-style-type: none">• Record data in a table with appropriate units and plot a suitable graph.• Write a simple conclusion from practical results.• Include appropriate units with calculated answers.	<p>Can:</p> <ul style="list-style-type: none">• Show evidence of further processing of data.• Correctly convert units.• Design a table to record data.• Explain the relationships between variables in practical results.• Identify limitations within experiments.	<p>Can:</p> <ul style="list-style-type: none">• Design an appropriate and detailed table e.g. including multi-headings.• Consistently draw appropriate lines on graphs.• Evaluate a method and suggest improvements to a procedure.
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