

# DRAFT PERFORMANCE BANDS

## BIOLOGY

*The typical performance in this band:*

<b>Band 6</b>	<ul style="list-style-type: none"><li>• demonstrates an extensive and detailed knowledge and superior understanding of biological concepts, including complex and abstract ideas</li><li>• demonstrates an extensive understanding of the historical development of biological concepts, their applications and implications for society and the environment, and the future directions of biological research</li><li>• communicates succinctly, logically and sequentially using a variety of scientific formats, including diagrams, graphs, tables, flow charts and equations relating to biology</li><li>• analyses and evaluates data effectively, identifying biological relationships, quantifying explanations and descriptions, synthesising information to draw conclusions</li><li>• uses precise biological terms extensively and correctly in a wide range of contexts</li><li>• designs valid experimental processes using appropriate technologies and incorporating the thorough knowledge of the use of a control, variables and repetition to solve biological problems</li><li>• applies knowledge and information to unfamiliar situations and designs an original solution to a biological problem</li></ul>
<b>Band 5</b>	<ul style="list-style-type: none"><li>• demonstrates thorough knowledge and understanding of most biological concepts</li><li>• demonstrates a thorough understanding of the historical development of biological concepts and their applications and implications for society and the environment</li><li>• communicates effectively in a variety of scientific formats including diagrams, graphs, tables, flow charts and equations relating to biology</li><li>• explains qualitative and quantitative biological relationships and ideas coherently; identifies patterns in data to draw conclusions</li><li>• uses precise biological terms frequently and correctly in a range of contexts</li><li>• identifies the correct application of scientific experimental methodology to solve biological problems</li></ul>
<b>Band 4</b>	<ul style="list-style-type: none"><li>• demonstrates sound knowledge and clear understanding of some biological concepts</li><li>• demonstrates a sound understanding of the historical development of biological concepts and their applications for society and the environment</li><li>• communicates using clear written expression and incorporating diagrams of biological structures</li><li>• provides qualitative and quantitative descriptions of biological phenomena and explains straightforward biological relationships</li><li>• uses general biological terms frequently and correctly in a range of contexts</li><li>• identifies the correct components of the experimental scientific method in biology</li></ul>
<b>Band 3</b>	<ul style="list-style-type: none"><li>• recalls basic knowledge and understanding of some biological concepts</li><li>• demonstrates a basic understanding of the historical development of biological concepts and their applications for society and the environment</li><li>• uses fundamental written communication with some use of simple scientific diagrams relating to biology</li><li>• provides qualitative descriptions of fundamental biological phenomena and explains some straightforward biological relationships</li><li>• uses some general biological terms correctly in a limited range of contexts</li><li>• recalls some aspects of the experimental scientific method in biology</li></ul>
<b>Band 2</b>	<ul style="list-style-type: none"><li>• recalls limited knowledge and has elementary understanding of some straightforward biological concepts</li><li>• demonstrates a limited understanding of the historical development of biological concepts</li><li>• uses fundamental written communication relating to biology</li><li>• provides simple qualitative descriptions of biological phenomena</li><li>• uses general biological terms occasionally</li></ul>
<b>Band 1</b>	<ul style="list-style-type: none"><li>•</li></ul>