## DRAFT PERFORMANCE BANDS
### BIOLOGY

The typical performance in this band:

| Band 6 | • demonstrates an extensive and detailed knowledge and superior understanding of biological concepts, including complex and abstract ideas  
• 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  
• communicates succinctly, logically and sequentially using a variety of scientific formats, including diagrams, graphs, tables, flow charts and equations relating to biology  
• analyses and evaluates data effectively, identifying biological relationships, quantifying explanations and descriptions, synthesising information to draw conclusions  
• uses precise biological terms extensively and correctly in a wide range of contexts  
• 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  
• applies knowledge and information to unfamiliar situations and designs an original solution to a biological problem |
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| Band 5 | • demonstrates thorough knowledge and understanding of most biological concepts  
• demonstrates a thorough understanding of the historical development of biological concepts and their applications and implications for society and the environment  
• communicates effectively in a variety of scientific formats including diagrams, graphs, tables, flow charts and equations relating to biology  
• explains qualitative and quantitative biological relationships and ideas coherently; identifies patterns in data to draw conclusions  
• uses precise biological terms frequently and correctly in a range of contexts  
• identifies the correct application of scientific experimental methodology to solve biological problems |
| Band 4 | • demonstrates sound knowledge and clear understanding of some biological concepts  
• demonstrates a sound understanding of the historical development of biological concepts and their applications for society and the environment  
• communicates using clear written expression and incorporating diagrams of biological structures  
• provides qualitative and quantitative descriptions of biological phenomena and explains straightforward biological relationships  
• uses general biological terms frequently and correctly in a range of contexts  
• identifies the correct components of the experimental scientific method in biology |
| Band 3 | • recalls basic knowledge and understanding of some biological concepts  
• demonstrates a basic understanding of the historical development of biological concepts and their applications for society and the environment  
• uses fundamental written communication with some use of simple scientific diagrams relating to biology  
• provides qualitative descriptions of fundamental biological phenomena and explains some straightforward biological relationships  
• uses some general biological terms correctly in a limited range of contexts  
• recalls some aspects of the experimental scientific method in biology |
| Band 2 | • recalls limited knowledge and has elementary understanding of some straightforward biological concepts  
• demonstrates a limited understanding of the historical development of biological concepts  
• uses fundamental written communication relating to biology  
• provides simple qualitative descriptions of biological phenomena  
• uses general biological terms occasionally |
| Band 1 | • |