### 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 |
| 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 | • |