

# DRAFT PERFORMANCE BANDS

## EARTH AND ENVIRONMENTAL SCIENCE

*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 Earth and Environmental Science concepts, including complex and abstract ideas</li> <li>• demonstrates an extensive understanding of the historical development of Earth and Environmental Science concepts, their applications and implications for society and the environment, and the future directions of Earth and Environmental Science research</li> <li>• interprets and/or draws very detailed, accurate and labelled diagrams using appropriate scales illustrating abstract and complex three-dimensional concepts and processes</li> <li>• analyses and evaluates data effectively in written, tabular, graphical and diagrammatic form, identifies relationships, quantifies explanations and descriptions and synthesises information to draw conclusions</li> <li>• displays mastery of performing complex calculations using data sourced from Earth and Environmental Science processes, concepts and scales</li> <li>• produces a comprehensive series of detailed diagrams to illustrate stages within an Earth and Environmental Science process</li> <li>• displays outstanding ability to relate theory to a practical application in Earth and Environmental Science</li> <li>• applies knowledge and information to unfamiliar situations and designs an original solution to an Earth and Environmental Science problem</li> </ul>
<b>Band 5</b>	<ul style="list-style-type: none"> <li>• displays thorough knowledge and understanding of most abstract concepts related to Earth and Environmental Science</li> <li>• demonstrates a thorough understanding of the historical development of Earth and Environmental Science concepts and their applications and implications for society and the environment</li> <li>• interprets and/or draws detailed, accurate and labelled diagrams using appropriate scales illustrating three-dimensional Earth and Environmental Science concepts and processes</li> <li>• analyses data given in written, tabular, graphical and diagrammatic form, interprets information to draw conclusions and identifies relationships</li> <li>• performs calculations using data sourced from Earth and Environmental Science processes, concepts and scales</li> <li>• produces a series of labelled detailed diagrams to illustrate stages within an Earth and Environmental Science process</li> <li>• displays advanced ability to relate theory to practical application in Earth and Environmental Science</li> </ul>
<b>Band 4</b>	<ul style="list-style-type: none"> <li>• demonstrates a sound knowledge of facts, processes and concepts related to Earth and Environmental Science using appropriate terms and some illustrative examples</li> <li>• demonstrates a sound understanding of the historical development of Earth and Environmental Science concepts and their applications for society and the environment</li> <li>• interprets and/or draws clear, labelled diagrams of Earth and Environmental Science concepts and processes</li> <li>• displays competence in interpreting written, tabular, graphical and diagrammatical forms in Earth and Environmental Science</li> <li>• performs elementary calculations using data sourced from Earth and Environmental Science processes, concepts and scales</li> <li>• produces a series of labelled diagrams to illustrate stages within an Earth and Environmental Science process</li> <li>• displays ability to relate theory to practical application</li> </ul>
<b>Band 3</b>	<ul style="list-style-type: none"> <li>• recalls basic knowledge and communicates concepts using some basic terms related to Earth and Environmental Science</li> <li>• demonstrates a basic understanding of the historical development of Earth and Environmental Science concepts and their applications for society and the environment</li> <li>• interprets and/or draws simple diagrams of common structures and processes in Earth and Environmental Science</li> <li>• displays understanding of and obtains information from simple graphs, tables and other forms of data</li> <li>• performs basic calculations using data sourced from Earth and Environmental Science processes</li> </ul>
<b>Band 2</b>	<ul style="list-style-type: none"> <li>• recalls some simple relevant facts related to Earth and Environmental Science</li> <li>• demonstrates a limited understanding of the historical development of Earth and Environmental Science concepts</li> <li>• identifies and/or draws simple scientific diagrams representing some common structures and processes relating to Earth and Environmental Science</li> <li>• displays limited understanding of and obtains some information from simple graphs, tables and other forms of data</li> <li>• performs basic calculations using simple data sourced from Earth and Environmental Science processes</li> </ul>
<b>Band 1</b>	<ul style="list-style-type: none"> <li>•</li> </ul>