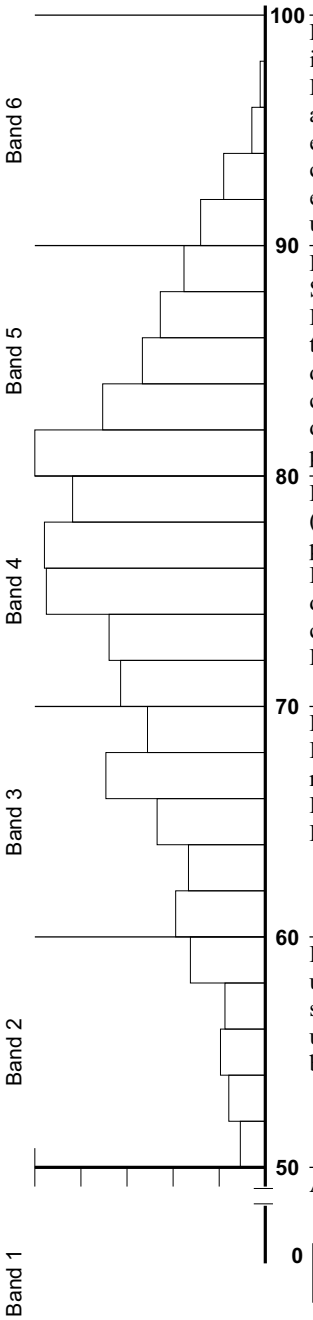
2016 Course Report

BOSTES

BOARD OF STUDIES
TEACHING & EDUCATIONAL
STANDARDS NSW

Earth and Environmental Science

State Distribution | **The typical performance in this band:**



100–90 Demonstrates an extensive knowledge and understanding of course concepts, including complex and abstract ideas. Demonstrates an extensive understanding of the prescribed focus areas and contexts relevant to Earth and Environmental Science (E&ES). Interprets and/or draws very detailed, accurate and labelled diagrams using appropriate scales to illustrate abstract and complex three-dimensional concepts and processes. Analyses and evaluates data effectively in written, tabular, graphical and diagrammatic forms and performs complex calculations based on E&ES data, processes, concepts and scales. Identifies relationships, quantifies explanations and descriptions and synthesises information to draw conclusions. Applies knowledge and understanding to unfamiliar situations and designs original solutions to E&ES problems.

90–80 Displays thorough knowledge and understanding of most abstract concepts related to Earth and Environmental Science (E&ES). Demonstrates a thorough understanding of the prescribed focus areas and contexts relevant to E&ES. Interprets and/or draws detailed, accurate and labelled diagrams using appropriate scales illustrating three-dimensional E&ES concepts and processes. Analyses data given in written, tabular, graphical and diagrammatic forms. Interprets information to draw conclusions and identifies relationships. Performs calculations using data sourced from E&ES processes, concepts and scales. Produces a series of labelled detailed diagrams to illustrate stages within an E&ES process. Displays advanced ability to relate theory to practical application in E&ES.

80–70 Demonstrates a sound knowledge of facts, processes and concepts related to Earth and Environmental Science (E&ES) using appropriate terms and some illustrative examples. Demonstrates a sound understanding of the prescribed focus areas and contexts relevant to E&ES. Interprets and/or draws clear, labelled diagrams of E&ES concepts and processes. Displays competence in interpreting written, tabular, graphical and diagrammatic forms in E&ES. Performs elementary calculations using data sourced from E&ES processes, concepts and scales. Produces a series of labelled diagrams to illustrate stages within an E&ES process. Displays ability to relate theory to practical application.

70–60 Recalls basic knowledge and communicates concepts using some basic terms related to Earth and Environmental Science (E&ES). Demonstrates a basic understanding of the prescribed focus areas and contexts relevant to E&ES. Interprets and/or draws simple diagrams of common structures and processes in E&ES. Displays understanding of and obtains information from simple graphs, tables and other forms of data. Performs basic calculations using data sourced from E&ES processes.

60–50 Recalls some simple relevant facts related to Earth and Environmental Science (E&ES). Demonstrates a limited understanding of the prescribed focus areas and contexts relevant to E&ES. Identifies and/or draws simple scientific diagrams representing some common structures and processes relating to E&ES. Displays limited understanding of and obtains some information from simple graphs, tables and other forms of data. Performs basic calculations using simple data sourced from E&ES processes.

50–0 A mark in this band indicates that the student has achieved below the minimum standard expected.

The candidature of this course was 1,592.