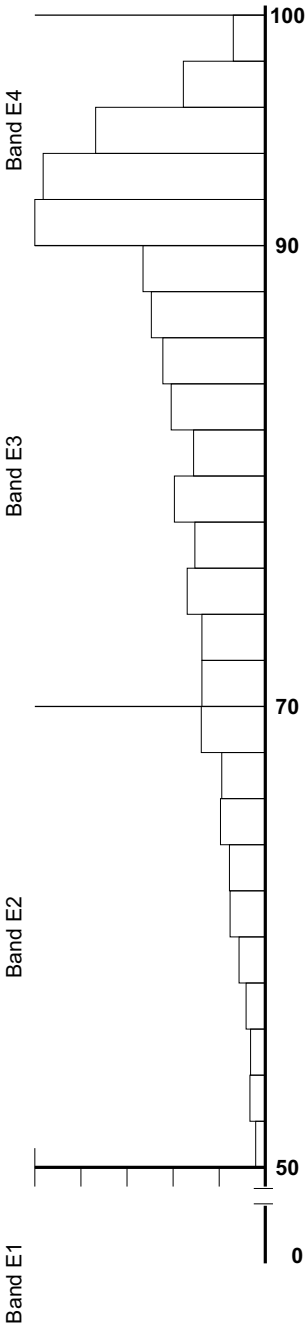
2025 Course Report

Mathematics Extension 2

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



Demonstrates extensive knowledge and skills appropriate to the course. Synthesises mathematical techniques, results and ideas creatively to solve problems. Demonstrates sophisticated multi-step logic and mathematical insight to solve problems across a wide range of contexts. Proves results in familiar and unfamiliar settings. Communicates complex mathematical ideas and relationships using algebraic, diagrammatic and graphical techniques, concise notation and clear logical argument.

Demonstrates thorough knowledge and skills appropriate to the course. Solves problems effectively across a wide range of contexts. Demonstrates complex multi-step mathematical reasoning and justification. Demonstrates a sound grasp of techniques required to prove results in familiar settings. Communicates mathematical ideas and relationships using algebraic, diagrammatic and graphical techniques, appropriate notation and logical argument.

Demonstrates sound knowledge and skills appropriate to the course. Solves problems across a range of contexts. Demonstrates reasoning and justification in a range of contexts. Communicates effectively using mathematical language, notation, diagrams and graphs.

Performance reported as Band E1 indicates that the minimum standard expected was not demonstrated.

The candidature of this course was 3,844.