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# CORE PROGRAM

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## Mathematics

### DURATION OF SUBJECT

Full year

### COURSE DESCRIPTION

Students undertake a series of units of study throughout the year that address the content strands of Number and Algebra, Measurement and Geometry and Statistics and Probability. In Semester One, the units include Number and Index Laws, Linear Algebra, Statistics and Probability. In Semester Two, students study the units Rates and Ratios, Linear Functions, Pythagoras and Trigonometry and Geometric Reasoning. Measurement and Financial Mathematics are addressed in the Focus Week program Grand Designs. The proficiency strands of Understanding, Fluency, Problem Solving and Reasoning are an integral part of the curriculum delivery and allow for a deep understanding of mathematical concepts explored. Further to this, students gain skills in revision and the preparation of logbooks.

### ASSESSMENT

A variety of assessment tasks are completed throughout the year. This includes completion of class tasks, homework, topic tests, prior learning tasks, application tasks and end of semester examinations.