

## Mathematics

Mathematics is a Board Developed Course

Course details are included on RoSA

Course details are included on School Report

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In Years 9 and 10, Mathematics is one course with three pathways – 5.3, 5.2 and 5.1 Mathematics. Based on their performance in Year 8, students will be placed in the pathway that best matches their ability.

- The **5.3** pathway is designed for the most capable of students. In this course students study topics such as Algebra, Geometry, Trigonometry, Probability and Statistics in such ways as to prepare them for further study of Advanced Mathematics Course or higher in Years 11 and 12 and beyond.
- The **5.2** pathway is the course most suited to the majority of students. Students will study a good mixture of topics, which will prepare them for some further study of Mathematics in senior years such as Algebra and Trigonometry as well as some Mathematics of everyday life skills, which includes topics such as Percentages and Consumer Arithmetic. Most students studying this course will be prepared for Mathematics Standard courses in Years 11 and 12.
- The **5.1** pathway is designed to be a “Mathematics for Living” course where students are taught the skills of Mathematics in a practical context. For example, students may study percentages through the study of banks, savings accounts and loans. Topics include Consumer Arithmetic, Probability, Algebraic Techniques, Trigonometry and Geometry.

**Subject Assessment:** Students are assessed within the course

### Year 9

Assessment will be based on tasks common to the pathway the students are studying. Assessment tasks include research, investigation and project-based tasks, as well as tests. Report grades will be based on the assessment tasks, with individual outcomes that come from the tasks.

### Year 10

Report grades will be based on the Assessment Tasks listed in the Year 10 Assessment Booklet. Individual outcomes may come from individual class tasks.

Should you have any further inquiries about Mathematics courses please feel free to contact the Mathematics Faculty at school.

**Course Adviser:** Mr M Graham