Senior School options for Year 10 –12 Mathematics

**Year 10 Mathematics A**
This course is designed to prepare students for Mathematics A. A sound level of achievement in Year 9 is recommended for this course.

**Year 10 Mathematics B**
This course prepares students for concepts they will be exposed to in Senior Mathematics B and Mathematics C.

**Prevocational Mathematics**
This course provides opportunities for students to improve their numeracy skills designed to assist them in pursuing a range of vocational and personal goals. It develops not only students’ confidence and positive attitudes towards mathematics but also their mathematical knowledge and their communication skills.

**Mathematics A (OP)**
This is a “real life” mathematics subject. It is concerned with raising the level of competence in, and confidence with mathematics for intelligent citizenship and a more technologically skilled workforce.

**Mathematics B (OP)**
This is a high level mathematics subject which serves as a preparation for entry into a number of tertiary courses. It aims to develop students’ problem solving skills via a problem solving and applications approach and to raise students’ competence in the mathematics required for intelligent citizenship.

**Mathematics C (OP)**
This is an additional mathematics subject intended for students preparing for entry into tertiary courses with high mathematics content. The intent of Mathematics C is to develop students’ problem solving skills, via a problem solving and applications approach.

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**Year 11 and 12 Mathematics**

Students will be assessed using three criteria:

- **Communication and Justification** which includes setting out solutions, use of mathematical terms, clarity of explanation and justifying decisions
- **Knowledge and Procedures** which includes solving questions similar to everyday classroom exercises and using mathematical equipment
- **Modelling and Problem Solving** which includes solving problems, modelling mathematical situations and constructs, investigations

Assessment instruments may include a range of supervised exams and practical assignments.