

Mathematics Methods I & 2

Level: Stage I

Course length: 1 semester each

Credit value: 10 Credits each

Advice to students

Stage I Mathematics Methods builds on the mathematical knowledge, understanding and skills that students have developed in Number and Algebra, Measurement and Geometry, and Statistics and Probability during Year 10.

Course overview

Stage I Mathematics Methods is organised into topics that broaden students' mathematical experience, and provide a variety of contexts for incorporating mathematical arguments and problem solving.

Topics covered will include:

Semester 1

- Topic 1: Functions and Graphs
- Topic 2: Polynomials
- Topic 3: Trigonometry

Semester 2

- Topic 4: Counting and Statistics
- Topic 5: Growth and Decay
- Topic 6: Introduction to Differential Calculus

Assessment (each semester)

- 3 Skills and Application tasks 75%
- 1 Folio Task 25%

Pathways

Successful completion of Mathematics Methods I and 2 will provide the assumed knowledge for SACE Stage 2 Mathematics Methods (currently known as Stage 2 Maths Studies).

Students wishing to undertake Stage 2 Specialist Mathematics should also successfully complete Stage I Specialist Mathematics.

Further information

Graphic calculators and computers are used extensively in all courses.

Marden Senior College uses Texas Instruments Graphics Calculators TI-83, TI-83 Plus and TI-84 Plus.