Delivery mode
Online course. Internet access essential.
Online lessons are delivered through the EQ web conference.
Students are required to attend two online lessons each week delivered through web-conferencing (iConnect).

Time commitment
The minimum time allocation per semester per senior subject is 55 hours.
It is an expectation that students spend at least 3 hours per week on this subject.
Students are expected to regularly complete class activities (online and paper).
Diagnostic work may be available for students to reflect and track their progress in the subject.

Prerequisites
A minimum achievement level of a C in the Year 10 standard mathematics course across both semesters is required.

Course outline
The course consists of the following core topics:
- Managing Money I
- Elements of Applied Geometry
- Data Collection and Presentation
- Managing Money II
- Linking 2 and 3 Dimensions
- Exploring and Understanding Data and the two elective topics of:
  - Maps and Compasses (Navigation)
  - Operations Research (Networks and Queuing)

Mathematics A is a recommended precursor to further study and training in the technical trades such as toolmaking, sheet-metal working, fitting and turning, carpentry and plumbing, auto mechanics, tourism and hospitality and administrative and managerial employment in a wide range of industries. It is also suitable as a precursor to tertiary studies in subjects with moderate demand in mathematics.

Assessment
Each year the summative assessment consists of up to four supervised examinations and two alternative assessment tasks.
Summative assessment must be completed according to the Work Rate Calendar.

Requirements
Internet access is essential - preferred option is broadband.
Lesson outlines and extra support materials are delivered through Blackboard as part of The Learning Place.

Textbooks
Year 11

Year 12

NOTE: Textbooks must be purchased by students. Textbooks are NOT supplied by the school.

Equipment
- Any of the scientific calculator models listed below would be suitable for this course: Casio fx 82AU Plus, Sharp EL 531 WHBLK, Texas Instruments TI – 30XB
- Students will also need access to items such as graph paper, protractors drawing compass (dividers), rolling ruler (or parallel ruler or set squares).

DISCLAIMER: All information contained is accurate at the time of publication.