Mathematics
Year 9

Delivery mode
Online course. Internet access essential.
Online lessons are delivered through the EQ web conference.
The Mathematics course follows the Australian curriculum which is studied in all Australian states. The course is available in an electronic format through Blackboard. A Learning Guide and Work Rate Calendar for each term is available in Blackboard and must be downloaded. Students need to access the Blackboard course to view digital resources to support key learning concepts.

Time commitment
Students are expected to complete 210 minutes of mathematics each week. This time is made up of 3 teacher directed scheduled sessions of approximately 70 minutes duration, delivered via web conferencing (through collaborate). Instruction with the teacher in the scheduled sessions will cover the work outlined for the week.
The maths work rate calendar will advise what is being covered in the scheduled sessions.

Prerequisites
Nil

Course outline
Semester 1
Diagnostic numeracy test for all students.
Students complete units of study under the Australian Curriculum threads of:
- Number and Algebra
  - Real numbers (index notation)
  - Money and financial mathematics
- Measurement and Geometry
  - Using units of measurement
  - Geometric reasoning
  - Pythagoras and trigonometry

Semester 2
Students complete units of study under the Australian Curriculum threads of:
- Number and Algebra
  - Real numbers (index notation, proportions)
  - Patterns and Algebra
  - Linear and non-linear relationships
- Statistics and Probability
  - Chance
  - Data representation and interpretation

Assessment
Students will submit work for each unit of work at times specified in the work rate calendar. Summative assessment, in the form of exams and assignments, will take place during and at the end of each term. Teachers will also base some assessment on observations during scheduled sessions.

Requirements
Access to a computer is essential as the course is in an electronic format. Students also require access to the internet.

Resources/Textbook
Maths Quest 9 for the Australian Curriculum 2E eBookPlus is included in the Jacaranda Digital Bundle subscription, purchased upon enrolment at BrisbaneSDE. NB: Students may be required to obtain other commonly available materials to complete practical activities (please see booklist on BrisbaneSDE website).

Equipment
Scientific Calculator. Preferred: Casio fx-82ES PLUS

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