DURATION OF SUBJECT	ONE YEAR
FINANCIAL COMMITTMENT	REFER TO FEE SCHEDULE
COURSE REQUIREMENTS	Students require an approved scientific calculator in this subject.

COURSE CONTENT

UNIT 1	ASSESSMENT
Integers, Ratio, Percent and Indices Students investigate the relationship between index laws and apply these to solve problems. Students explore integers and percentages using them to solve problems involving profit and loss. Students investigate different ways to solve problems involving rates and ratios	Exam
UNIT 2	ASSESSMENT
Numbers, Time & Measurement Students explore irrational numbers and the area of circles and quadrilaterals as well as how we use formulas to solve problems. Students investigate how these formulas extend to volume of prisms. Students solve problems with 12 and 24-hour time extending to time zones.	Assignment & Exam
UNIT 3	ASSESSMENT
Algebra and Linear Functions Students investigate linear equations and their relationships on the Cartesian plane.	Exam
UNIT 4	ASSESSMENT
Geometric Reasoning, Chance and Data Students investigate the properties of quadrilaterals using triangle congruency rules. Students investigate the issues relating to the collection of data and explore how outliers affect the mean and median. Students explore the probability of multiple events	Assignment & Exam

CAREER PATHWAYS

Mathematics helps us develop analytical and reasoning skills. Reasoning is the ability to think logically about a situation. Analytical and reasoning skills are valuable because they help us solve problems and look for solutions. Many future careers will require sound mathematical, analytical and reasoning skills.

FIND OUT MORE

https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/

In the following videos people talk about how Maths has helped them with their jobs:

Mathematics in the NRL	https://youtu.be/BilJ10URb1I
Mathematics in Nursing	https://youtu.be/w3vAj57UCwI
Mathematics in Teaching	https://youtu.be/LgEV11KqPAk