



DURATION OF SUBJECT	FULL YEAR
FINANCIAL COMMITMENT	NIL

COURSE CONTENT

UNIT 1	UNIT 2	UNIT 3	UNIT 4
Students investigate the relationship between index laws, square numbers and square roots. Students explore fractions, decimals and percentages and use them to solve problems	Students investigate area and volume and use formulas to solve problems. Students apply percentages and ratios to make decisions about best buys.	Students investigate transformations of 2D shapes in the Cartesian plane. Students explore simple probability and investigate data collection and representations to find mean, median and mode	Students explore algebraic expressions, to be able to represent situations with variables. Students solve simple linear equations.
ASSESSMENT	ASSESSMENT	SUMMATIVE ASSESSMENT	SUMMATIVE ASSESSMENT
Exam	Exam	Assignment & Exam	Exam

COURSE REQUIREMENTS

Students require an approved scientific calculator in this subject.

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.

INTERNET LINKS

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

REAL PEOPLE TALKING ABOUT 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>

