



<b>DURATION OF SUBJECT</b>	FULL YEAR	
<b>FINANCIAL COMMITMENT</b>	REFER TO PROPOSED FEE SCHEDULE	
<b>COURSE REQUIREMENTS</b>		
Students require an approved scientific calculator in this subject.		
<b>COURSE CONTENT</b>		
<b>UNIT 1</b>	<b>ASSESSMENT</b>	
<b>Integers, Percent and Indices</b> Students investigate the relationship between index laws and apply these to solve problems. Students explore irrational numbers and percentages and use them to solve problems	Exam	
<b>UNIT 2</b>	<b>ASSESSMENT</b>	
<b>Algebra and Measurement</b> Students explore the area of circles and quadrilaterals and use formulas to solve problems. Students investigate how these formulas extend to volume of prisms. Students investigate linear equations and their relationships on the Cartesian plane.	Exam	
<b>UNIT 3</b>	<b>ASSESSMENT</b>	
<b>Ratio, Time and Chance</b> Students solve problems with 12 and 24-hour time extending to time zones. Students investigate different ways to solve problems involving rates and ratios. Students explore the probability of multiple events.	Exam	
<b>UNIT 4</b>	<b>ASSESSMENT</b>	
<b>Geometric Reasoning and Data</b> 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.	Assignment & Exam	
<b>CAREER PATHWAYS</b>		
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.		
<b>FIND OUT MORE</b>		
<a href="https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/">https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/</a> In the following videos people talk about how Maths has helped them with their jobs: Mathematics in the NRL   <a href="https://youtu.be/BilJ1OURb1I">https://youtu.be/BilJ1OURb1I</a> Mathematics in Nursing   <a href="https://youtu.be/w3vAj57UCwI">https://youtu.be/w3vAj57UCwI</a> Mathematics in Teaching   <a href="https://youtu.be/LgEV11KqPAk">https://youtu.be/LgEV11KqPAk</a>		

