



<b>INCOMPATIBLE SUBJECTS</b>	NIL	<b>DEPENDENT SUBJECTS</b>	NIL
<b>PRE-REQUISITE SUBJECTS</b>	B(or above) Year 9 Mathematics	<b>POTENTIAL QCE POINTS</b>	NIL
<b>COURSE DURATION</b>	One Year	<b>CONTRIBUTES TO ATAR</b>	No
<b>FINANCIAL COMMITMENT</b>	REFER TO FEE SCHEDULE	<b>DELIVERY PARTNERSHIP</b>	n/a
<b>COURSE REQUIREMENTS</b>	<p>Students require an approved scientific calculator in this subject.</p> <p>This option covers all of the content from Year 10 General Mathematics but explores subject matter in more detail. <b>Year 10 General Mathematics – Methods Prep is a prerequisite for Year 11 Mathematical Methods and Specialist Mathematics.</b></p>		

#### COURSE CONTENT

UNIT 1	ASSESSMENT
<p><b>Measurement</b></p> <p>Students investigate how to apply area formulas to find area of regular shapes and volume in prisms. Students apply their learning to real world problems.</p>	Exam
UNIT 2	ASSESSMENT
<p><b>Geometry and Trigonometry</b></p> <p>Students explore how similarity of triangles can describe the relationship between triangles. Students investigate Pythagoras theorem and trigonometric rules to solve real world problems.</p>	Exam
UNIT 4	ASSESSMENT
<p><b>Data and Chance</b></p> <p>Students explore real life data activities to understand how the distribution of larger data sets informs analysis. Student explore the probability of multiple events occurring and compare this to real life occurrences.</p>	Assignment & Exam
UNIT 4	ASSESSMENT
<p><b>Algebra and Linear Functions</b></p> <p>Students explore linear functions and the relationship between the graph and equation. Students extend their index laws understanding to apply these in algebraic situations.</p>	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

Mathematics in the NRL	<a href="https://youtu.be/BilJ10URb1I">https://youtu.be/BilJ10URb1I</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>
	<a href="https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/">https://www.australiancurriculum.edu.au/f-10-curriculum/mathematics/</a>