



DURATION OF SUBJECT	ONE YEAR	
FINANCIAL COMMITMENT	REFER TO FEE SCHEDULE	
COURSE REQUIREMENTS	Students require an approved scientific calculator in this subject.	
COURSE CONTENT		
UNIT 1	ASSESSMENT	
Measurement and Geometry Students explore how similarity of triangles can describe the relationship between triangles. They investigate how to apply area formulas to find area of regular shapes and volume in prisms and apply their learning to real world problems.	Exam and Assignment	
UNIT 2	ASSESSMENT	
Finance and Algebra Students explore how similarity of triangles can describe the relationship between triangles.	Exam	
UNIT 3	ASSESSMENT	
Trigonometry and Linear Functions Students investigate Pythagoras theorem and trigonometric rules to solve real world problems. Students then explore linear functions and apply their learning to the relationship between the graph and equation.	Exam	
UNIT 4	ASSESSMENT	
Data and Chance 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.	Assignment	
CAREER PATHWAYS		
<ul style="list-style-type: none"> • 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		
AUSTRALIAN CURRICULUM 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/BilJ1OURb1I	
Mathematics in Nursing	https://youtu.be/w3vAj57UCwI	
Mathematics in Teaching	https://youtu.be/LgEV11KqPAk	