



<b>INCOMPATIBLE SUBJECTS</b>	GENERAL MATHEMATICS ESSENTIAL MATHEMATICS	<b>DEPENDENT SUBJECTS</b>	GENERAL ENGLISH
<b>PRE REQUISITE SUBJECTS</b>	YEAR 10 EXTENSION MATHEMATICS - C YEAR 10 ENGLISH - C	<b>POTENTIAL QCE POINTS</b>	4
<b>FINANCIAL COMMITMENT</b>	NIL	<b>CONTRIBUTES TO ATAR</b>	YES

### COURSE CONTENT

UNIT 1	UNIT 2	UNIT 3	UNIT 4
<b>Algebra, statistics and functions</b> Covering arithmetic and geometric sequences and series, Functions and graphs, counting and probability, exponential functions, arithmetic and geometric sequences and series.	<b>Calculus and further functions</b> Covering exponential functions, the logarithmic function, trigonometric functions, differential calculus, further differentiation and applications, discrete random variables.	<b>Further Calculus</b> Covering logarithmic functions, further differentiation and applications, integrals.	<b>Further functions and statistics</b> Covering further differentiation and applications, trigonometric functions, discrete random variables, continuous random variables and the normal distribution, interval estimates for proportions.
<b>ASSESSMENT</b>	<b>ASSESSMENT</b>	<b>SUMMATIVE ASSESSMENT</b>	<b>SUMMATIVE ASSESSMENT</b>
Exam	<b>Assignment:</b> PSMT Exam	<b>Assignment:</b> PSMT Exam	Exam Exam (External)

### COURSE REQUIREMENTS

Students require an approved Graphics Calculator for this subject. [https://www.qcaa.qld.edu.au/downloads/senior-qce/common/snr\\_syll\\_ea\\_graphics\\_calculators\\_list.pdf](https://www.qcaa.qld.edu.au/downloads/senior-qce/common/snr_syll_ea_graphics_calculators_list.pdf)

These items may be borrowed from the school through the resource scheme.

### CAREER PATHWAYS

A course of study in Mathematical Methods can establish a basis for further education and employment in the fields of natural and physical sciences mathematics and science education, medical and health sciences, engineering, computer science, psychology and business.

### INTERNET LINKS

| <https://www.qcaa.qld.edu.au/senior/senior-subjects/mathematics/mathematics-methods#:~:text=About%20Mathematical%20Methods,their%20graphs%2C%20calculus%20and%20statistics.>

### REAL PEOPLE TALKING ABOUT MATHEMATICS

In the following video a vet talks about why she selected Maths B (now called Mathematic Methods).

| <https://www.youtube.com/watch?v=is7cV5QOYag>



Hear from current Caboolture State High School and what they have to say about Mathematical Methods

