

VCE GENERAL MATHEMATICS

UNITS 1 & 2

For more detail on this course please visit:

<https://www.vcaa.vic.edu.au/curriculum/vce/vce-study-designs/generalmathematics/Pages/Index.aspx>

GENERAL MATHEMATICS

- General Mathematics Units 1 and 2 provide for a range of courses of study involving non-calculus based topics for a broad range of students and may be implemented in various ways to reflect student interests in, and applications of, mathematics. They incorporate topics that provide preparation for various combinations of studies at Units 3 and 4 and cover assumed knowledge and skills for those units.

CONTENT REQUIREMENTS FOR UNIT 1 & 2

- The areas of study for General Mathematics Unit 1 and 2 are:
 - 'Algebra and structure'
 - 'Arithmetic and number'
 - 'Discrete mathematics'
 - 'Geometry, measurement and trigonometry'
 - 'Graphs of linear and non-linear relations'
 - 'Statistics'
- **Each unit must cover four or more topics in their entirety from at least three different areas of study**

COURSE OUTLINE

- [II General\Unit 1\Admin\II general.pptx.docx](#)

UNIT I TOPICS OF STUDY @ WRC

- Univariate data (statistics)
- Linear equations, graphs and models (algebra & structure/ Graphs of linear and non-linear relations)
- Financial Maths (arithmetic and number)
- Bivariate Data (statistics)

UNIT 2 TOPICS OF STUDY @ WRC

- Networks and graphs (discrete mathematics)
- Matrices (discrete mathematics)
- Number patterns (discrete mathematics, algebra & structure)
- Trigonometry (Geometry, measurement and trigonometry)

OUTCOMES

- Each assessment task will check that you have satisfactorily completed/demonstrated the following outcomes for that topic:
- **Outcome 1: define and explain key concepts** as specified in the selected content from the areas of study, and **apply a range of related mathematical routines and procedures**.
- **KNOW IT!**
- **Outcome 2: select and apply mathematical facts, concepts, models and techniques** from the topics covered in the unit to **investigate and analyse extended application problems** in a range of contexts.
- **USE IT!**
- **Outcome 3: select and use numerical, graphical, symbolic and statistical functionalities of technology to develop mathematical ideas, produce results and carry out analysis** in situations requiring problem-solving, modelling or investigative techniques or approaches.
- **USE TECHNOLOGY TO HELP DO IT!**



ASSESSMENT/SACS

- Tests
- Investigations
- Projects