

VCE SPECIALIST MATHEMATICS

UNITS 1 & 2

For more detail on this course please visit:

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

SPECIALIST MATHEMATICS

- Specialist Mathematics Units 1 and 2 provide a course of study for students who wish to undertake an in-depth study of mathematics, with an emphasis on concepts, skills and processes related to mathematical structure, modelling, problem solving and reasoning.
- This study has a focus on interest in the discipline of mathematics in its own right and investigation of a broad range of applications, as well as development of a sound background for further studies in mathematics and mathematics related fields.

CONTENT REQUIREMENTS FOR UNITS 1 & 2

- The areas of study for Specialist Mathematics Units 1 and 2 are:
- ‘Algebra and structure’
- ‘Arithmetic and number’
- ‘Discrete mathematics’
- ‘Geometry, measurement and trigonometry’
- ‘Graphs of linear and non-linear relations’
- ‘Statistics’

OUTCOMES

- Each assessment task will check that you have satisfactorily completed/demonstrated the following outcomes for that topic:
- **Outcome 1:** Be able to define and explain key concepts and apply a range of related mathematical routines and procedures.
- **Outcome 2:** Be able to apply mathematical processes in non-routine contexts, including situations requiring problem-solving, modelling or investigative techniques.
- **Outcome 3:** Be able to select and appropriately use technology to develop mathematical ideas, produce results and carry out investigations.

ASSESSMENT/SACS

- Tests
- Investigations
- Projects