



VCE MATHEMATICS

INFORMATION GUIDE

VCE MATHEMATICS

At Kilbreda College, we offer the following VCE Mathematics subjects:

- Foundation Mathematics Units 3 and 4
- General Mathematics Units 1-4
- Mathematical Methods Units 1-4
- Specialist Mathematics Units 1-4

A brief overview of each of the four mathematics is given below. For more information about each subject, please refer to flier for that subject using the QR code below.

The different mathematics pathways from Year 10 to VCE are shown over the page.

As some tertiary courses require mathematics as a prerequisite, please ensure you have checked the details of course entry before selecting which VCE mathematics you study.

Foundation Mathematics

Units provide for the continuing mathematical development of students with respect to problems encountered in practical contexts in everyday life at home, in the community, at work and in study.

General Mathematics Units

provide for the study of non-calculus and discrete mathematics topics. They are designed to be widely accessible and provide preparation for general employment, business or further study, in particular where data analysis, recursion and financial modelling, networks and matrices are important. Students who have done only Mathematical Methods Units 1 and 2 will have had access to assumed key knowledge and key skills for General Mathematics Units 3 and 4 but may also need to undertake some supplementary study.

Mathematical Methods

Units provide for the study of simple elementary functions, transformations and combinations of these functions, algebra, calculus, probability and statistics, and their applications in a variety of practical and theoretical contexts. They also provide background for further study in, for example, science, technology, engineering and mathematics (STEM), humanities, economics and medicine.

Specialist Mathematics

Units provide for the study of various mathematical structures, reasoning and proof. The areas of study in Units 3 and 4 extend content from Mathematical Methods Units 3 and 4 to include rational and other quotient functions as well as other advanced mathematics topics such as logic and proof, complex numbers, vectors, differential equations, kinematics, and statistical inference. They also provide background for advanced studies in mathematics and other STEM fields. Study of Specialist Mathematics Units 3 and 4 assumes concurrent study or previous completion of Mathematical Methods Units 3 and 4.



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VCE Foundation Mathematics
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Scan QR Code for
VCE Mathematical Methods
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VCE Specialist Mathematics
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Assessment

Foundation Mathematics

- Unit 3 School-assessed Coursework: 40 per cent
- Unit 4 School-assessed Coursework: 20 per cent
- Units 3 and 4 Examination: 40 per cent.

General Mathematics

- Unit 3 School-assessed Coursework: 24 per cent
- Unit 4 School-assessed Coursework: 16 per cent
- Units 3 and 4 Examination 1: 30 per cent
- Units 3 and 4 Examination 2: 30 per cent.

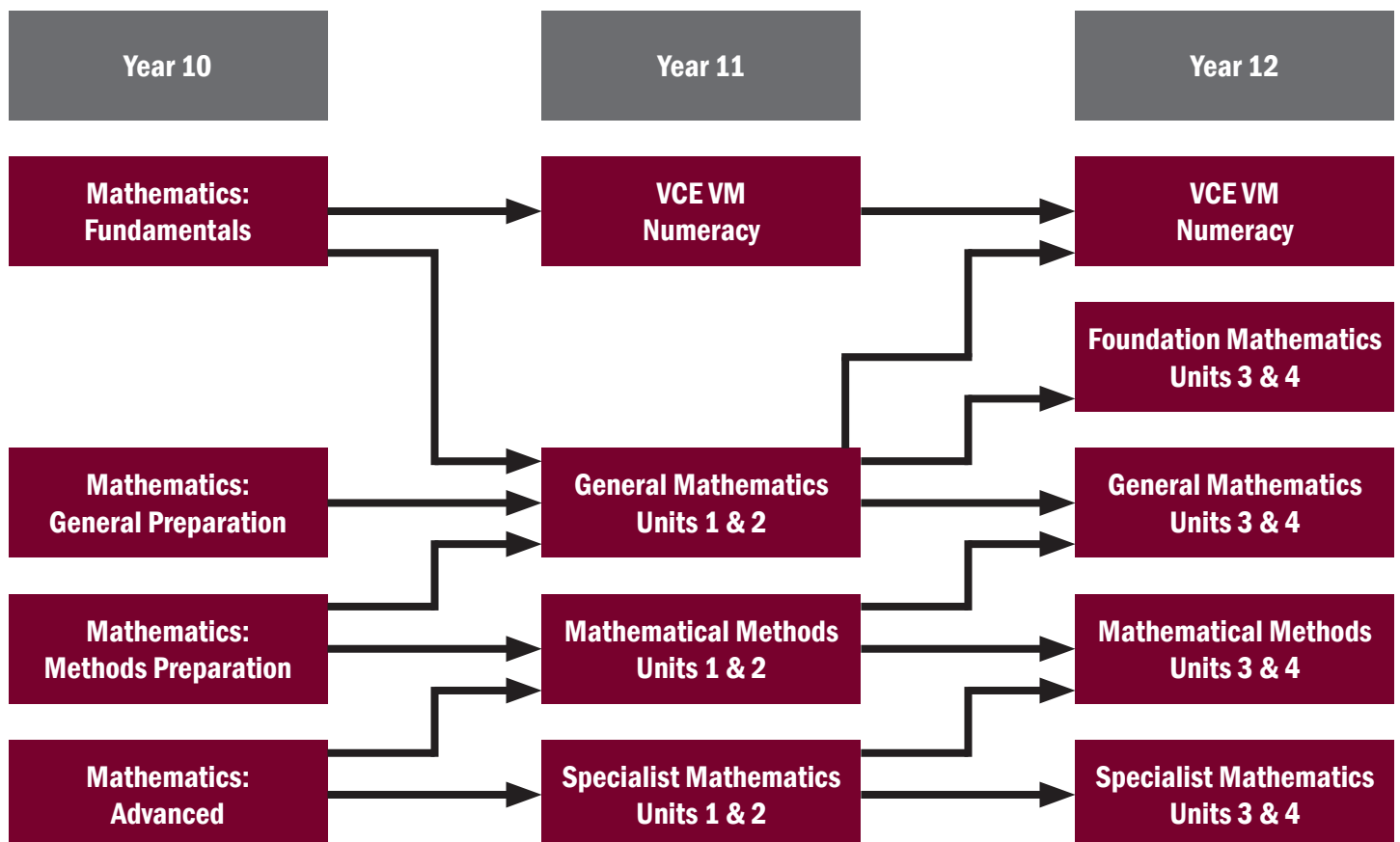
Mathematical Methods

- Unit 3 School-assessed Coursework: 20 per cent
- Unit 4 School-assessed Coursework: 20 per cent
- Units 3 and 4 Examination 1: 20 per cent
- Units 3 and 4 Examination 2: 40 per cent.

Specialist Mathematics

- Unit 3 School-assessed Coursework: 20 per cent
- Unit 4 School-assessed Coursework: 20 per cent
- Units 3 and 4 Examination 1: 20 per cent
- Units 3 and 4 Examination 2: 40 per cent.

Examination 1 for Mathematical Methods and Examination 1 for Specialist Mathematics are technology-free examinations. All other VCE mathematics examinations assume student access to VCAA approved technology.



Note:

- Students completing Specialist Mathematics must also complete Mathematical Methods.
- Students can complete three Maths in Year 12, only two Mathematics subjects can contribute to your top 4 studies.
- Students can apply to accelerate to General Mathematics Units 3 & 4 in Year 11 if they complete Mathematics: Advanced in Year 10,

To find out more information
about VCE Mathematics
at Kilbreda College, please contact:

Dr Karen McMullen
Learning Leader: Mathematics

karen.mcmullen@kilbreda.vic.edu.au

Kilbreda College

118 Mentone Parade, Mentone VIC 3194
(03) 9581 7766
kilbreda.vic.edu.au



This flyer is correct as of July 2024, however may be subject to change.

