

VCE Foundation Mathematics 2023-2027 Units 3&4

Assessment

Acknowledgement of Country

The VCAA respectfully acknowledges the Traditional Owners of Country throughout Victoria and pays respect to the ongoing living cultures of First Peoples.



VCE Mathematics On-demand Videos

To support the implementation of the 2023-2027 study design for Mathematics, we have developed a series of short on-demand videos outlining approaches that teachers may wish to utilise in the classroom.

The information presented in these on-demand videos has been developed by current VCE teachers, in conjunction with the VCAA, and offer suggestions for ways schools could approach the implementation of the 2023-2027 VCE Mathematics study design.

General Outline – Foundation Maths Assessment

This on demand presentation will briefly discuss

1. Assessment – Unit 1 and 2
2. Assessment – Unit 3 and 4
3. Examination – Unit 3 and 4
4. Investigations – Unit 3 and 4

Topic 1 – Assessment – Unit 1 and 2

All assessments at Units 1 and 2 are school-based. Procedures for assessment of levels of achievement in Units 1 and 2 are a matter for school decision:

Suitable tasks for assessment may be selected from the following.

- portfolio
- assignments
- tests
- solutions to sets of worked questions
- summary notes or review notes.
- modelling or problem-solving tasks
- mathematical investigations

Topic 2 – Assessment – Unit 3 and 4

Level of achievement for Units 3 and 4 will be determined by a combination of School-assessed Coursework and an External assessment. The School-assessed Coursework will contribute 60 per cent and the examination will contribute 40 per cent to the study score.

Topic 2 – Assessment – Unit 3 and 4

Unit 3

School-assessed Coursework for Unit 3 will contribute 40 per cent to the study score.

Unit 4

School-assessed Coursework for Unit 4 will contribute 20 per cent to the study score.

Each area of study is to be covered in at least one of the three mathematical investigations across Units 3 and 4.

Topic 3 – Examination

The level of achievement for Units 3 and 4 is also assessed by a 2 hour end-of-year examination.

Contribution to final assessment

The examination will contribute 40 per cent to the study score.

Description

This examination comprises multiple-choice questions and written response questions covering all areas of the study in relation to all three outcomes.

Topic 3 – Examination

Conditions

The examination will be completed under the following conditions:

- Student access to a scientific calculator will be assumed.
- One bound reference text (which may be annotated) or lecture pad may be brought into the examination.
- Date: end-of-year, on a date to be published annually by the VCAA.
- VCAA examination rules will apply.
- The examination will be marked by assessors appointed by the VCAA.

Topic 4 – Investigations

Each mathematical investigation is to address content from two or more areas of study and is to be of 4–6 hours' duration over a period of 1–2 weeks.

There are **three components** to mathematical investigation:

Formulation: overview of the context or scenario.

Exploration: investigation and analysis of the context or scenario.

Communication: summary, presentation and interpretation of the findings from the mathematical investigation and related applications.

Contact

Michael MacNeill – Curriculum Manager, Mathematics

- Victorian Curriculum and Assessment Authority
Level 7, 2 Lonsdale Street, Melbourne 3000, Victoria
T +61 3 7022 5538 M 0438 602 765
- Email: Michael.MacNeill@education.vic.gov.au

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