

VCE FOUNDATION 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>

FOUNDATION MATHEMATICS

- Foundation Mathematics Units 1 and 2 are completely prescribed and provide for the continuing mathematical development of students entering VCE. In general, these students would not intend to undertake Unit 3 and 4 studies in VCE Mathematics in the following year. However, students who do well in these units and undertake some supplementary study of selected topics could proceed to Further Mathematics Units 3 and 4.

CONTENT REQUIREMENTS FOR UNIT 1 & 2

- The areas of study for Foundation Mathematics Unit 1 and 2 are:
 - Area of Study One: **'Space, Shape and Design'**
 - Area of Study Two: **'Patterns and Number'**
 - Area of Study Three: **'Data'**
 - Area of Study Four: **'Measurement'**

OUTCOMES

- Each assessment task will check that you have satisfactorily completed/demonstrated the following outcomes for that topic:
- **Outcome 1:** On completion of each unit the student should be able to use and apply a range of mathematical concepts, skills and procedures from selected areas of study to solve problems based on a range of everyday and real-life contexts. **KNOW AND USE IT!**
- **Outcome 2:** On completion of this unit the student should be able to apply mathematical procedures to solve practical problems in both familiar and new contexts, and communicate their results.
 - To achieve this outcome the student will draw on knowledge and skills outlined in all the areas of study. **APPLY IT!**
- **Outcome 3:** On completion of this unit the student should be able to select and use technology to solve problems in practical contexts.
 - To achieve this outcome the student will draw on knowledge and skills outlined in all the areas of study. **USE TECHNOLOGY TO HELP DO IT!**

ASSESSMENT/SACS

- The award of satisfactory completion for a unit is based on whether the student has demonstrated the set of outcomes specified for the unit. A variety of learning activities and assessment tasks that provide a range of opportunities for students to demonstrate the key knowledge and key skills in the outcomes will be used.
- Assessment will be a part of the regular teaching and learning program and should be completed mainly in class and within a limited timeframe.
- Demonstration of achievement of Outcomes 1 and 2 should be based on the student's performance on a selection of the following assessment tasks:
 - Tests
 - Investigations
 - Projects
- Demonstration of achievement of Outcome 3 should be based on the student's performance on aspects of tasks completed in demonstrating achievement of Outcomes 1 and 2 that incorporate opportunity for the effective and appropriate use of technology.