

VCE FOUNDATION MATHEMATICS INFORMATION GUIDE



VCE FOUNDATION MATHEMATICS

RATIONALE

This study is designed to provide access to worthwhile and challenging mathematical learning. It is designed to promote students' awareness of the importance of mathematics in everyday life in a technological society and globalised world, and to develop confidence and the disposition to make effective use of mathematical concepts, processes and skills in practical and theoretical contexts. Foundation Mathematics provides 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.

UNIT 1

Area of Study 1

Algebra, number and structure

In this area of study students cover estimation, and the use and application of different forms of number and related calculations in practical, everyday and routine work contexts.

Area of Study 2

Data analysis, probability and statistics

In this area of study students cover collection, presentation and analysis of gathered and provided data from community, work, recreation and media contexts, including consideration of suitable forms of representation.

Area of Study 3

Discrete mathematics: Financial and consumer mathematics

In this area of study students cover the use and interpretation of different forms of numbers and calculations, and their application in relation to the understanding and management of personal, local and national financial matters.

Area of Study 4

Space and measurement

In this area of study students cover time, and the use and application of the metric system and related measurements in a variety of domestic, societal, industrial and commercial contexts.

UNIT 2

Area of Study 1 Algebra, number and structure

In this area of study students cover estimation and the use and application of the representation of generalisations and patterns in number, including formulas and other symbolic expressions, in everyday and routine work contexts.

Area of Study 2

Data analysis, probability and statistics

In this area of study students cover the analysis of gathered and provided data from community, work, recreation and media contexts, including consideration of suitable forms of data summaries.

Area of Study 3

Discrete mathematics: Financial and consumer mathematics

In this area of study students cover the use and interpretation of different forms of numbers and calculations and their application in relation to the understanding and management of personal, local and national financial matters.

Area of Study 4

Space and measurement

In this area of study students cover shape and location concepts, and their use and application in a variety of domestic, societal, industrial and commercial contexts.

INFORMATION GUIDE

CAREER OPTIONS

- Banking Industry
- Bookkeeper
- Building and Construction
- Inventory Clerk
- Loans Officer
- Logistics

- Manager
- Retail
- Tourism

UNITS 3 & 4

Area of Study 1

Algebra, number and structure

In this area of study students cover estimation, the use and application of different forms of numbers and calculations, algorithmic and computational thinking, and the representation of formal mathematical expressions and processes including formulas and other algebraic expressions to solve practical problems in community, business and industry contexts.

Area of Study 2

Data analysis, probability and statistics

In this area of study students cover collection, presentation and analysis of gathered and provided data from community, work, recreation and media contexts, including consideration of suitable forms of representation and summaries. This area of study incorporates the ability to critically reflect on statistical data and results, and to be able to communicate and report on the outcomes and any implications.

Area of Study 3

Discrete mathematics: Financial and consumer mathematics

In this area of study students cover the use and application of different forms of numbers and calculations, relationships and formulae, and their application in relation to the analysis of, and critical reflection on, personal, local, national and global financial, consumer and global matters.

Area of Study 3

Space and measurement

In this area of study students cover the use and application of the metric system and related measurement in a variety of domestic, societal, industrial and commercial contexts, including consideration of accuracy, precision and error.



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

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

