

VCE Vocational Major – Numeracy

In Numeracy, students use mathematics to make sense of their personal, public and vocational lives.

It develops students' problem-solving skills and allows them to make sense of the use of mathematical concepts of numbers, time, patterns and shapes for everyday activities like cooking, gardening, sport and travel. We also look at finance, data on current issues and numeracy skills likely to be useful in their chosen workplace. In Numeracy a focus is also placed on an awareness and use of appropriate technologies and mathematical tools.

Projects are undertaken for six numeracies: Personal, Civic, Financial, Health, Vocational and Recreational.

Unit 1 & 3	Unit 2 & 4
<p>In Unit 1 & 3 you will:</p> <ul style="list-style-type: none">• Develop confidence using whole numbers, fractions, decimals and percentages in context.• Develop skills in understanding time for reading bus timetables and rosters, travelling to different time zones and scheduling events in order.• Name and describe common shapes and see how they are used in design.• Conduct estimations of measurements, undertake routine measurements, perform measurement calculations, and convert units within the metric system.• Use basic formulas for example to find area, volume and simple interest.	<p>In Unit 2 & 4 you will:</p> <ul style="list-style-type: none">• Develop an understanding of space, direction and location in relation to common landmarks and key compass directions.• Look at data to explore current issues in the media.• Graph and explore data sets by looking at mean, median and spread.• Estimate and identify likelihood of common and familiar events occurring.• Use common language of chance like: certainty, likely, 50-50, unlikely and impossible.• Understand the inputs and outputs of technology that can be used in everyday lives for the purposes of planning, collecting, sorting or categorising.
Types of assessment	Class Activities
<ul style="list-style-type: none">• Investigations• Projects• Multimedia presentations• Quizzes – no formal tests	<ul style="list-style-type: none">• Prepare a budget using technology• Plan itineraries for a holiday• Costing out projects• Use Money Smart and other websites• Online quizzes• Skills practice worksheets in booklets

Careers that may link to this subject area

Apprenticeships

Employment

TAFE/Vocational Education

Traineeships

