

# PRE VOCATIONAL MATHEMATICS

## AUTHORITY REGISTERED SUBJECT

### Introduction:

This subject is offered on the Maths Line, it will only be possible to select one of Maths B, Maths A or Pre Vocational Maths.

Pre Vocational Maths is designed to help students improve their numeracy by building their confidence and success in making meaning of mathematics. This course teaches the effective use of mathematics to meet the general demands of life at home, in paid work and for participation in community and civic life.

### Prerequisites:

Nil, as this subject should be selected by students who did not pass Year 10 Maths.

### Course Outline:

Students study five topics:

- Number
- Data
- Location and time
- Measurement
- Finance

These will be integrated into teaching and learning contexts which have relevance to them.

The Pre Vocational topics to be taught and assessed within these units:

1. Maths and the Environment
  - Careers
  - Taxation
2. Maths in the Workplace
3. Practical Project
  - School Environmental Landscaping, Paving and Maintenance Projects
  - School Hobby Farm – Landscape construction and animal care
4. The Sharemarket (ASX)
5. Global Awareness
6. Health and Nutrition
7. Responsible gambling
8. Moving Out
  - Accommodation
  - Buying a car
  - Mobile phones
  - Credit cards
  - Travel – Interstate and Overseas

### General Objectives:

**Knowing** – Students demonstrate knowledge of content and use given rules, operations and procedures to carry out simple familiar tasks.

**Applying** – Students interpret and analyse different contexts, identifying familiar mathematics, develop strategies, then select and apply rules and procedures to carry out tasks.

Students use basic mathematics and everyday language to present and explain their responses to tasks in both familiar and different contexts.

**Affective** - - Students should:

- Develop confidence in using mathematics in everyday contexts.
- Appreciate that understanding and being able to use the familiar mathematics in the world around them, allows them to organise and control many facets of their lives.
- Become aware of the usefulness of mathematics in preparing them for the future life roles.
- Appreciate the benefits of working as individuals and in groups to solve problems.
- Value becoming numerate citizens who can make informed decisions about issues involving mathematics.

**Assessment:**

- Information is gathered through a process of continuous assessment.
- Balance of assessments is a balance over the course of study and not necessarily a balance over a semester or between semesters.
- Exit achievement levels are devised from student achievement in all areas identified in the study area specification as being mandatory.
- Assessment of a student's achievement is in the significant aspects of the course of study identified in the study area specification and the school's work program.
- Selective updating of a student's profile of achievement is undertaken over the course of study.
- Exit assessment is devised to provide the fullest and latest information on a student's achievement in the course of study.

**Career Opportunities:**

- Bar Attendant
- Cashier
- Croupier
- Survey Assistant
- Sales Assistant
- Pharmacy Assistant
- Car Rental Official
- Clerk
- Stock and Station Agent
- Sales Representative
- Data Processing Operator

**For further information please contact:**

Mr Matthew Rapkins, HOD - Mathematics  
Mr Josh Moores – Course Coordinator