Subject name	**Essential Mathematics**
Subject code	TEM (Applied subject)
Additional Subject fee	Nil
Prerequisites	Nil

Course Overview
In doing this one semester subject, students will have the opportunity to:
- Develop the knowledge and skills that are fundamental to doing Essential Mathematics in Senior.
- Experience the styles of assessment they will encounter in Essential Mathematics.
- Become familiar with the use of mathematics specific ICTs such as Excel spreadsheets as learning aids.
- Develop a clear indication whether Essential Mathematics would be a subject in which they could do well in Senior School.

Course Outline
The course content is an introduction to the mathematics students will encounter in Essential Mathematics, with a more vocational context than other mathematics subject choices.

Topics covered in Year 9 and 10 are revisited and extended with a strong emphasis on their application in both personal and workplace situations e.g. personal finance, data collection, display and analysis, and applications of measurement.

Throughout the subject students will be strengthening their basic numeracy skills.

Learning experiences will sometimes involve the use of computer software/internet to enable students to become familiar with their uses before having to apply them in a Senior Maths subject.

Assessment
The assessment in this subject will be modelled on the styles of assessment done in Essential Mathematics, where the focus is on demonstrating skills to a high level of competence, e.g. following instructions and showing initiative to complete set tasks. There will be an exam at the end of the semester and there will be a Problem Solving and Modelling Task during the semester.

Subject Requirements
Students will need to have a scientific calculator. The school's recommended brand is the Ti-30XB. This can be purchased from the Textbook Office for approximately $25.

CAREERS
Essential Mathematics is an Applied subject suited to students who are interested in pathways beyond Year 12 that lead to vocational education or work. A course of study in Essential Mathematics can establish a basis for further education and employment in the fields of trade, industry, business and community services. Essential Mathematics can contribute to certain tertiary studies pathways, though this is not its main purpose. Also, high-tech trades/Air Force may prefer students to be choosing General Mathematics.

NOTE: A student considering tertiary studies after Year 11 and 12 is strongly advised to select General subjects in Mathematics.