

**1.0 PURPOSE OF THIS POLICY**

- 1.1 To develop student's knowledge and skills in using mathematics so that they become confident and competent in their use
- 1.2 To increase students' ability to accurately interpret and communicate mathematical ideas, vocabulary and processes
- 1.3 To assist students' ability to recognise the use of mathematics and its fundamental importance in society
- 1.4 To enable students to understand the logical nature of mathematical thinking

**2.0 PRINCIPLES**

- 2.1 Mathematics education should recognise that skill development is largely sequential, and involves:
  - knowing mathematical facts
  - carrying out mathematical procedures
  - using mathematics in solving problems and describing and understanding the world.
- 2.2 Mathematics should be linked to themes, literature, student experience and language to develop mathematical skills and concepts where possible.
- 2.3 Differentiated group and individual activities should be offered at all levels, requiring a range of problem solving and mathematical techniques.
- 2.4 In VCE there should be a choice of units which provide relevance for students' future needs and interests.
- 2.5 The School should encourage Professional Development opportunities for staff in the area of Mathematics in line with AIP.

**3.0 HOW THIS POLICY WILL BE PUT INTO PRACTICE**

- 3.1 At P-10 levels, implementation and teacher planning will be guided by current curriculum requirements.
- 3.2 All students will follow a prescribed core of mathematics.
- 3.3 11-12 students will select from a choice of units. In line with VCE/VCAL requirements.
- 3.4 Differentiated activities will be aimed at a range of abilities, interests, skill levels and learning styles. These include use of concrete aids, outdoor activities, excursions, computer software, group problem solving tasks, skills practice, individual and group research projects.
- 3.5 Technology will be used to support the learning of mathematics and in carrying out mathematical activities in context.