2. INTERMEDIATE MATHEMATICS

Teacher who may be contacted for further information: Mr C. Maksoud

Rationale of Course/Overview

Intermediate Mathematics is suitable for those who have found difficulty with the more abstract aspects of mathematics. Learning experiences would reflect the essential concept areas of the advanced course whilst omitting some of the direct applications of abstract algebra.

In particular the course emphasises the practice of fundamental mathematical procedures, developing skills at computation both mentally and with a scientific calculator and also the practice problem-solving through relatively familiar contexts.

It should also be noted that students who complete this course will be precluded from Senior Mathematics B and Senior Mathematics C. Students will be expected to undertake Mathematics A in years 11 and 12.

Course Content

Semester 1:
a. Consumer Mathematics
b. Pythagoras' Theorem
c. Algebra Techniques
d. Equations and Formulae
e. Statistics

Semester 2:
a. Geometry
b. Measurement
c. Linear Relations
d. Ratio, Rate and Proportion
e. Probability

Assessment Programme

Formal testing consists of a number of class tests, one of which covers basic computation, an alternative assessment (report, research, investigation etc.), and an end-of-semester exam. At the end of Year 9, parents are advised if their son is experiencing difficulties and would benefit from changing to Core Mathematics.

Assessment Criteria

Students need to demonstrate achievement in the two main assessment criteria of Knowledge and Procedures, Modelling and Problem Solving.