
SUBJECT:**MATHEMATICS C**

STATUS: Authority Subject**CODE:** SMC**COST:** TBA**COURSE
OVERVIEW:**

In Mathematics C, students are given the opportunity to develop their full mathematical potential and extend the knowledge acquired in Mathematics B. They will be encouraged to recognise the dynamic nature of mathematics through problem solving and applications in life-related situations.

General objectives are to maximise:

1. Knowledge and procedures of Maths
2. Modelling and problem solving in Maths
3. Communication and justification with Mathematics

With a range of activities varying in application, technology, initiative and complexity.

**COURSE
STRUCTURE**

- Introduction to groups
- Real and Complex Number Systems
- Vectors and Applications
- Structures and Patterns
- Calculus, Conics and Dynamics

**ASSESSMENT
TECHNIQUES:**

At least two tests and two assignments, with no more than six assessment items per year.

**SPECIAL
REQUIREMENTS:**

Students are expected to have a graphics calculator for their personal use throughout the year.

Excursions will be negotiated within the 2 year program – these will incur costs.

Should be studied in conjunction with Mathematics B and Physics.

