

## **General Mathematics Units 1 and 2**

General Mathematics provides for different combinations of student interests and preparation for study of VCE Mathematics at Unit 3 and 4 level (Further Mathematics). This subject is appropriate for those students who do not have a strong background in Mathematics but wish to study some Mathematics for career requirements.

In VCE General Mathematics, students have access to worthwhile and challenging mathematical learning activities. Students learn, practice and apply mathematical routines and techniques by undertaking application tasks, solving problems set in both unfamiliar and real life situations and finding solutions to standard problems. All courses involve the use of technology and most utilise sophisticated CAS graphic calculators.

### **UNIT 1 & 2**

Over the course of the year students will undertake study in several areas including: Arithmetic and Number; Discrete Mathematics (Matrices, Graphs and Networks, and number patterns and recursion); and Statistics (Investigating and comparing data distributions and the relationship between two numerical variables)

#### **Key skills required**

Ability to apply techniques, routines and processes involving sets, lists and tables, diagrams and geometric constructions, algebraic manipulation, equations and graphs

Use of CAS calculator

#### **Assessed tasks**

Assignments

Tests

Summary or Review Notes

Projects

Short written responses

Problem solving tasks

Modelling tasks