

St George College Senior Secondary Handbook

MATHEMATICS—BUSINESS

LEVEL: Year 10

CORE TEXTS: “User Friendly Maths in Practise”
Longmans

PROGRAM AIMS:

Students will

- Use problem solving strategies using mathematical terms and notations to describe objects, relationships and our world.
- Interpret and analyse numerical data
- Analyse classes of mathematical figures and objects, performing translations, and enlargements
- Develop fundamental skills in arithmetic and mathematics
- Learn and apply Microsoft Excel to enable students to use spreadsheets to complete mathematical problems
- This course prepares students for Business mathematics at Stage 1.

CONTENT:

This subject develops fundamental skills in arithmetic skills and mathematics that students will be exposed to in their everyday life as young adults and adults. Some of the topics are listed below in brief;

- Using street directories, directions
- Spreadsheets and graphing using the computer
- Building a house; using measurements, pricing
- Monitoring the weather: using different scales, creating graphs, interpreting tables and graphs, weather maps
- Travelling overseas: interpreting pricing, tickets and travel schedules, converting money, working with different time zones
- Buying and selling: effects of interest rates, borrowing money and costs, costs of products, wage rates.

ASSESSMENT:

A variety of summative and formative tasks including:

- Tests
- Directed Investigations
- Projects
- Examinations

HOMEWORK:

Approximately 25 minutes per night