MATHEMATICS A

Authority Subject  CODE: MAA

COURSE OVERVIEW
Mathematics A aims to provide the opportunity for students to participate more fully in life-long learning. It involves the study of Financial Mathematics, Applied Geometry, Statistics, and Operations Research. This subject emphasises the development of positive attitudes towards the student’s involvement in Mathematics. This development is encouraged through the use of relevant and life-related learning experiences.

The general objectives are to develop:
- Knowledge and skills of computation, estimation and measurement
- A capacity to interpret and analyse information presented in a variety of forms
- The ability to make judgements based on evidence and reasoning
- A capacity to justify and communicate results in a variety of forms

The assessment criteria will be:
- Knowledge and procedures of Maths
- Modelling and problem solving in Maths
- Communication and justification with Mathematics

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

COURSE STRUCTURE
- Managing Money I and II
- Elements of Applied Geometry
- Linking two and three dimensions
- Data collection and presentation
- Maps and compasses
- Networks and queuing
- Exploring and understanding data

ASSESSMENT TECHNIQUES
- Assignments
- Written exams

SPECIAL REQUIREMENTS
- Scientific Calculator and Protractor
- Rolling ruler (optional)

Laptops will be used in this course. It is compulsory for students choosing this subject to attend every lesson with a laptop. For minimum laptop requirements, refer to Page 8 of the document "Laptops at Chancellor State College" under Related links on the College website.

https://chancellorsc.eq.edu.au/Extracurricular/Computerandinternet/Pages/Computerandinternet.aspx

Students entering this course would have achieved a minimum of C in Mathematics in Year 10.