SENIOR MATHEMATICS AND SCIENCE FACULTY

Phone: 49247831

Head of Department: Mrs N Housman

Teachers: Mrs M Graham, Mr W Atkinson, Mrs C Capern, Mrs A Nolan, Mrs J Hood, Mr D Davenport, Mrs J Littleton, Mrs J Wines, Ms D White, Mrs A Reid, Mrs V Nielsen, Mrs P Beotra, Miss M Woodward, Miss J Bembridge, Mr M Zimmer, Mr T Kneen, Mrs K Malcolm, Ms K Salmond, Mrs K Attwood

Laboratory Technician: Ms K Turpin

Teacher Aides: Ms T Langford, Mrs B Wheatland, Mr P Hayward

Studies in Mathematics and Science

Mathematics is the universal language. Understanding the language of mathematics is critical to understanding mathematical concepts. It is the development and understanding of the three content strands within the Curriculum - Number and Algebra, Measurement and Geometry, and Statistics and Probability - that helps to guide students to become more informed, logical and well-rounded citizens in society. Mathematics and numeracy provide a way of interpreting every day and practical situations, and provide the basis for many informed personal decisions.

Science covers numerous areas including Physics, Chemistry, Biology and Earth Science. The science curriculum is organised around three interrelated strands: science understanding; science inquiry skills; and science as a human endeavour.
In Year 11 and 12 these courses will recognise the sequential nature of knowledge in the field and enable the development of depth of understanding of key concepts, processes and contexts without overcrowding the curriculum.

Full details about the subjects offered by the Senior Mathematics and Science Faculty are provided in the subject information booklets. The link to these documents can be found on the quick links section, on the left hand side of website home page.

Senior Mathematics and Science Subjects	
Year 10	Mathematics 10A Mathematics Science
Years 11 and 12	Authority Subjects: • Mathematics A • Mathematics B • Mathematics C • Physics

	• Chemistry • Biology Authority Registered Subject: • Prevocational Mathematics • Marine and Aquatic Practices

eLearning	
eLearning is embedded throughout all Mathematics and Science subjects. Some strategies and tools we use include:	
Communication and Collaboration	Tools used for student participation and engagement: • Interactive Whiteboard • ActivExpression student response system • TI-Nspire Navigator System
Data Analysis	• Spreadsheets used to analyse, interpret and represent data • Databases used to store, retrieve and summarise data
Multimedia	• TI-Nspire Graphics calculators
Resources	• Current computers with a number of software applications dependent on area of study