Why Study Mathematics?

Mathematics focuses on the development of a student's knowledge and the application of this knowledge in a range of real life situations. Two important outcomes from this course are:

- Students' development increases as they move towards the final years of their mathematics studies in secondary education.

- Students' mathematical knowledge increases as they move towards independent living.

In Year 7, students study the Australian Curriculum for Mathematics and will be involved in a course of study focused on:

1. Developing knowledge for good citizenship

2. Developing future knowledge for further studies in mathematics

3. Developing assessment skills

4. Improving Literacy and Numeracy

For more Information

Mr Phil Freeman

Head of Department
Mathematics Faculty
Craigslea State High School

Let's Connect

Phone

(07) 3326 5222
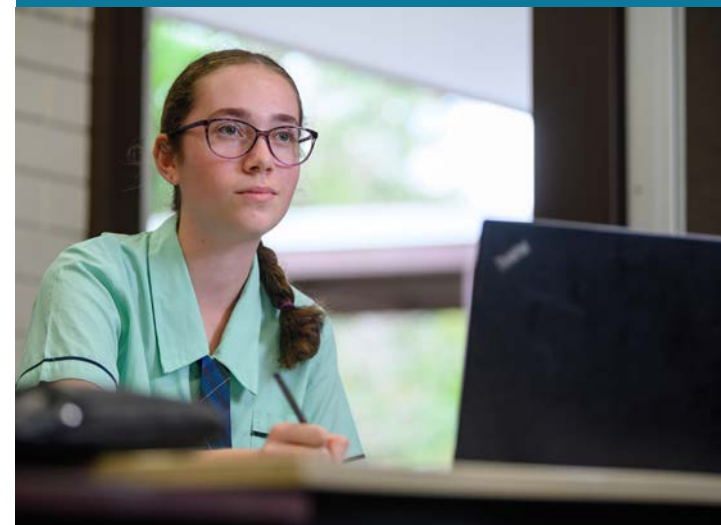
Email

pfree6@eq.edu.au

Attn:

HOD Mathematics

ASAA
AUSTRALASIAN SCHOOLS
ACCREDITATION AGENCY

Year 7
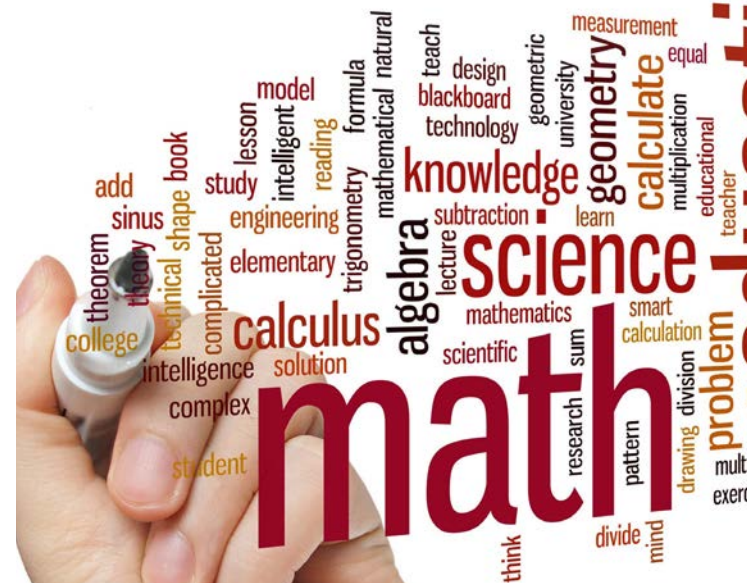# Mathematics

Craigslea
State High School

Course Overview

All Year 7 students complete an inclusive standard stream.

Topics covered:

- Whole Numbers
- Length, Area, and Volume
- Statistics
- Common Fractions
- Percentage and Money
- Time and Mass
- Geometry
- Decimal Fractions
- Probability
- Directed Numbers

Philosophy of Mathematics

The purpose of Craigslea SHS as a safe, tolerant and disciplined school is to meet the individual needs of our diverse student population including local, EAL/D and International, whilst pursuing high levels of educational attainment.

This is achieved in the Mathematics Faculty through:

- Integrating an academic approach within the modern classroom
- Developing students' confidence in the subject and inspiring their inquisitive minds
- Developing a disciplined approach to problem solving i.e. a strategic plan
- Developing organisational skills in the subject
- Acquiring technological skills that complement mathematical skills
- Providing a range of learning experiences to suit the individual needs of students
- Giving all students the opportunity to obtain at least a Sound Achievement in Junior Mathematics
- Providing a range of skills to meet the demands across the curricula
- Developing communication skills
- Providing basic mathematical skills in order to equip students for society's demands
- Fostering in students a sense of belonging and an awareness of their rights as citizens in a global community.

Assessment Summary

Year 7 assessment has a common format with the following guide for each semester:

1. One Term 1 Test (60 minutes)
2. One in-class problem solving Task
3. One Term 2 Test (60 minutes)

Homework

Homework will be balanced by the teacher so that each student can use the homework task to either reinforce or extend the topic studied in class.

Homework may come in the form of worksheets, problems from textbooks or web-based activities using websites such as Khan Academy.