

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 develop key skills as they move towards the final years of their Mathematics studies in secondary education.
- Students' mathematical knowledge increases as they apply numeracy skills in a variety of contexts.

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

1. Improving Literacy and Numeracy
2. Developing knowledge for further studies in mathematics
3. Developing assessment skills

For more Information

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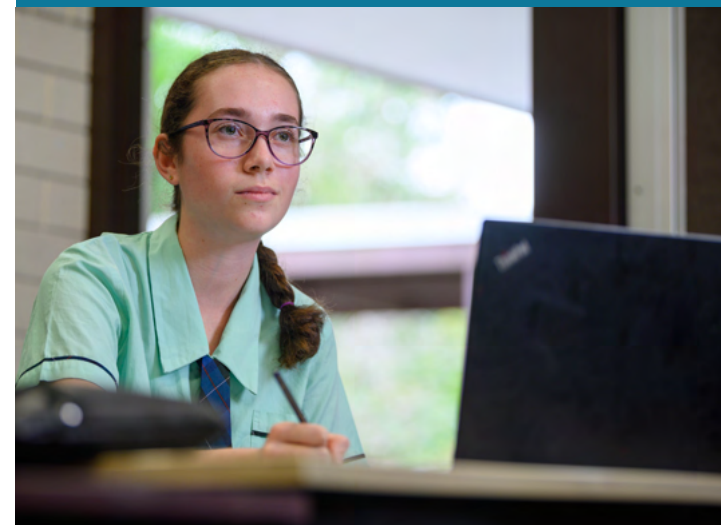
Year 7 Mathematics



Craig'slea
State High School



Department of Education
Trading as Education Queensland International (EQI)
CRICOS Provider Number 00608A



Course Overview

All Year 7 students complete an inclusive standard stream.

Topics covered:

- Whole Numbers
- Length, Area, and Volume
- Statistics
- Time and Mass
- Geometry
- Fractions, Decimals and Percentages
- Probability
- Directed Numbers
- Linear Modelling
- Algebra



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, whilst pursuing high levels of educational attainment.

This is achieved in the Mathematics Department 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. Cooperative learning opportunities for students to develop collaboration and communication skills
4. One Term 2 test (60 minutes)



Out of Class

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 includes homework book worksheets and a selection of other worksheets, problems from the textbook or other relevant activities.

Tutorials

The Mathematics Department also offers free after-school tutoring to all students on Thursdays from 3.10pm - 4.00pm. This is a great opportunity for students to receive some additional support or extension work.