

ignite excellence

MATHEMATICS PROGRAM

PROGRAM OVERVIEW

The role of Mathematics and data analysis is an ever increasing field of influence within the modern workplace. It is predicted that the workplace of the future will be vastly different to that of today, with 75% of jobs requiring skills in Science, Technology, Engineering and Mathematics. Career opportunities abound for those with high levels of ability in Mathematics, including occupations in fields such as data science, statistics, engineering, simulation science, research, accounting, biological and medical science, management, economics, education, digital interaction design and social media agencies to name a few.

The IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program at the Caboolture Campus is designed for students demonstrating high levels of talent (for their age) in the area of Mathematics. It strives to harness the learning potential of these students and inspire them toward academic excellence and future careers in this subject area.

The program provides a unique pathway to suit the needs of our high achievers in Mathematics.

THE ACCELERATED MATHEMATICS PROGRAM

The IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program allows students to work on the Mathematics curriculum of the Year Level above. In Year 7 and 8, students complete a compacted curriculum and finish Year 7, 8 and 9 Mathematics in two years. From then on, students in the program continue to complete their Mathematics course twelve months ahead of their peers. In doing this, students in this program can finish Year 12 Mathematical Methods in Year 11. Then, when in Year 12, these students can select to have a study line on their timetable to focus on the assessments for their other subjects, or commence early University subjects whilst at school for free (or at a greatly reduced rate offered by the University).

The program occurs during the normal school day within allocated Mathematics classes.



IGNITE EXCELLENCE: MATHEMATICS COURSE OVERVIEW AND PATHWAYS

IGNITE EXCELLENCE: MATHEMATICS PROGRAM

Accelerated Mathematics Pathway

An accelerated pathway allowing students to complete Years 7, 8, 9 Mathematics in just two years. Following this, students commence Years 10-12 Mathematics twelve months early. In this accelerated program, students are supported to manage their learning journey and develop independent learning skills.

Students in this accelerated program have the opportunity to complete Year 12 Mathematical Methods by the end of Year 11, allowing for a range of additional opportunities in Year 12 such as early university studies, a study line to focus on their other subjects, or a personal research project.

Students participating in the Program will be immersed in a “Growth Mindset” where errors and mistakes are seen as useful tools for moving forward, and high achievement comes through a strong work ethic and perseverance in the face of challenges. Developing a disposition of grit, growth and grace in the face of challenges is at the heart of the learning goals of this IGNITE EXCELLENCE Program.



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COLLEGE
EST. 1978

APPLICATION PROCESS

To be eligible for the IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program, students must:

- Demonstrate talent and enthusiasm in the area of Mathematics;
- Be committed to the high level of behaviour, motivation, achievement, and effort required;
- Be able to work independently and in small groups;
- Submit an application form for consideration; and
- Complete the necessary assessments.

FOR NEW STUDENTS TO THE COLLEGE:

New students to the College are encouraged to apply for the IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program in Term 2 of the year prior to entry (where possible).

- Students entering Year 7 should select the IGNITE EXCELLENCE: YEAR 7 MATHEMATICS AND SCIENCE Program on the application form;
- Students entering Years 8 to 10 should apply using the link below;
- New students entering Years 11 or 12 are not permitted to apply for the accelerated program.

A copy of the student’s most recent Report Card (and any other suitable documentation) should be provided with their application form. All applicants will be invited to attend an Applicant Workshop Session where a number of assessments will be completed. The College then uses all available data to make decisions about the best placement of the student. The College reserves the right to make final decisions regarding a student’s participation in the IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program.

At times there may be additional costs for students involved in the program, for particular experiences or resources related to the curriculum. To remain in the class, students must demonstrate the level of achievement, commitment, participation, independence and behaviour required. This exemplary behaviour standard must also be maintained across all aspects of the student’s life at the College. Students are permitted to apply for more than one of the College’s IGNITE EXCELLENCE Programs.

For more information about the program, contact the Learning Lead of Mathematics, Mr Peter Maunders on (07) 5495 2444.

To apply for this program, visit [Ignite Excellence Programs Application Form](#) (Caboolture) or scan the QR code.



For more information on the Program, please contact the Learning Lead of Mathematics (Mr Peter Maunders) via email: peter_maunders@glc.qld.edu.au or telephone on (07) 5495 2444.