

ignite excellence

ACCELERATED MATHEMATICS PROGRAM (Years 8-10)

APPLICATION PACKAGE

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.



PROGRAM OVERVIEW

The IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program 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 program occurs during the normal school day within allocated Mathematics classes.

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, students complete a compacted curriculum and finish both Year 7 and Year 8 Mathematics in one year. From Year 8, students complete the full Year 9 Mathematics course. 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).



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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.

WHAT IS FLIP TEACHING?

At times, the Flip Teaching Model is used to deliver the Accelerated Mathematics Pathway. This teaching model uses pre-filmed videos of the content which must be watched prior to attending class. Students can refer to these videos at any time and as part of their study program. This method also allows students to access all the term's lessons and content via online videos and work at their own pace.



APPLICATION PROCESS

To apply 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.
- 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 in 2025 should complete the IGNITE EXCELLENCE: YEAR 7 MATHEMATICS AND SCIENCE PROGRAM application form available on the College website.
- New students entering Year 8, 9 or 10 in 2025 should complete the form overleaf.
- New students entering Year 11 or 12 in 2025 are not permitted to apply for the Accelerated Mathematics Program.

A copy of the child'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 child.

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.

PLEASE RETURN THE APPLICATION TO

Email: academicenrichment@glc.qld.edu.au

Or post to: Grace Lutheran College
Academic Enrichment Department
PO Box 3181, CLONTARF DC QLD 4019

Or in person: College Reception

ACCELERATED MATHEMATICS PROGRAM

APPLICATION PACKAGE (YEARS 8 - 10)

FULL NAME: _____

APPLICATION FOR YEAR LEVEL: _____ (Grade) in _____ (Year). Example: "Grade 8 in 2026"

DATE OF BIRTH: _____ COLLEGE CAMPUS: **ROTHWELL CAMPUS**

CURRENT SCHOOL: _____ CURRENT GRADE AT SCHOOL: _____

PARENT/GUARDIAN NAME:	CONTACT PHONE NUMBER:	PARENT EMAIL:

COURSE EXPECTATIONS:

- Students enrolled in IGNITE EXCELLENCE: ACCELERATED MATHEMATICS Program will enthusiastically participate in the learning experiences and maintain a high standard of achievement, work ethic and behaviour. Students within the group are to be encouraging and supportive of one another's work, spurring each other on to reach their goals.
- At any time, the College reserves the right to withdraw a student from the program if it is deemed necessary, in the best interests of the child, or the behaviour, work ethic or performance requirements are not met.

ACADEMIC BACKGROUND:

Please attach a copy of your most recent report card with your application.

What makes Mathematics interesting to you? Are there areas of Mathematics you would like to know more about? _____

Have you previously participated in any extra curricula Science, Engineering or Mathematics activities? (e.g. ICAS competitions, maths programs, other competitions or workshops, robotics, or extension activities)

Please sign the following acknowledgement before submitting your application.

The information I have provided above is accurate and I have attached a copy of my most recent Report Card to complete my application. I understand and will adhere to the behaviour, effort and participation expectations that are part of this IGNITE EXCELLENCE: MATHEMATICS Program.

Student Signature

Parent/Guardian Signature

Date: ____/____/____

Date: ____/____/____