

ignite excellence

YEAR 7 MATHEMATICS & SCIENCE PROGRAM

The Caboolture Campus' IGNITE EXCELLENCE Programs are designed to challenge, engage and unite passionate learners in their areas of talent. These IGNITE EXCELLENCE Programs and opportunities span a range of key learning areas including Mathematics, Science, English, Music, Sport, Dance, Robotics and Foreign Languages. For students in Year 7 who love Mathematics and Science, the College offers a combined IGNITE EXCELLENCE Program to align with the College's core teacher structure for that Year Level.

PROGRAM OVERVIEW

The Year 7 IGNITE EXCELLENCE: MATHEMATICS AND SCIENCE Program provides specialised classes in these two subject areas (during the timetabled school day) where students can be provided with additional challenge, enrichment or extension.

ACCELERATED MATHEMATICS PATHWAY

This is a separate Mathematics pathway (in each Year Level) where a compacted and accelerated curriculum is provided for our highest achieving Mathematics students. In this pathway, students complete Years 7, 8 and 9 Mathematics in just two years, before commencing their Senior School Mathematical Methods subject twelve months early. During Year 7, students in this pathway automatically participate in the IGNITE EXCELLENCE: SCIENCE Program due to the core teacher model in place.

From Year 8 onward, the IGNITE EXCELLENCE: ACCELERATED MATHEMATICS and IGNITE EXCELLENCE: SCIENCE Program are two separate entities and students can be in one, without being in the other.



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SCIENCE ENRICHMENT PATHWAY

The Science component of this Year 7 program is designed to allow high achieving students the opportunity to explore their strengths within this discipline at greater depth. During Science, the teacher and students are able to work through the Australian Curriculum at a faster pace or study its content at higher levels of complexity. Students are also able to participate in developing their Science inquiry skills within a supportive environment.

EXPECTATIONS

Students participating in the College's IGNITE EXCELLENCE Programs 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.

Students must apply annually for positions in the IGNITE EXCELLENCE Programs. Offers of places are only for one academic year.

TEACHING STAFF

The Year 7 IGNITE EXCELLENCE: ACCELERATED MATHEMATICS and SCIENCE class will be taught by selected teachers. As mentioned, the classes occur during the normal Mathematics and Science periods for Year 7 on the timetable.

IGNITE EXCELLENCE PROGRAM PATHWAYS - MATHEMATICS AND SCIENCE

YEAR 7 IGNITE EXCELLENCE: MATHEMATICS AND SCIENCE PROGRAM

Ignite Excellence: Accelerated Mathematic Pathway

Students work on a compacted and accelerated Mathematics curriculum. By compacting the Year 7, 8 and 9 Mathematics curriculum, students complete this content in two years, allowing them to move on to Year 10 Mathematics content when in Year 9.

Students will work toward completing their Year 12 Mathematical Methods course by the end of Year 11.

In Year 12, these students will then have a study line on their timetable or commence early University subjects.

Ignite Excellence: Science Enrichment Pathway

A pathway in both Year 8 and Year 9 where our highest achieving Science students can be identified and receive additional challenge, enrichment or extension within their Core Science class. Our Science teachers can provide opportunities for the identified students to work through the Australian Curriculum at greater depth and breadth; extend or explore concepts beyond that of their peers; and develop their scientific inquiry skills. Additional extension opportunities, enrichment or extra challenge are all options for these students. From Year 10, students can select from a range of challenging Senior School Science subjects.

Year 10: General Science, Natural Science, Physical Science, STEM

Years 11 & 12: Physics, Biology, Chemistry, Psychology

* subjects on offer are subject to change

APPLICATION PROCESS

All interested students are encouraged to complete the Application Form in Term 2, the year prior to entry (where possible). Late applications will be considered after this date, but subject to availability.

To be eligible for the Year 7 IGNITE EXCELLENCE: MATHEMATICS AND SCIENCE Program, students must:

- Demonstrate talent and enthusiasm in the area of Mathematics and/or Science;
- Demonstrate Report Card results which indicate their suitability;
- Be committed to the high level of motivation, independence, achievement, work ethic and participation required;
- Submit an application form for consideration; and
- Complete any additional testing requested.

A copy of the student's most recent Report Card (and any other suitable documentation) should be provided with the application.

Applicants will be invited to attend an Applicant Workshop Session where a small number of assessments will be completed. The College uses all the data available to make decisions about class placements and the best pathways for each student. The College reserves the right to make final decisions regarding a student's application for the Year 7 IGNITE EXCELLENCE: MATHEMATICS AND SCIENCE 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 for the entire academic year, students must demonstrate the level of achievement, commitment, work ethic, behaviour and independence required. This exemplary behaviour standard must also be maintained across all aspects of the student's life at the College.

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 the Learning Lead of Science (Mr Martin Trubody) via email: martin_trubody@glc.qld.edu.au or telephone on (07) 5495 2444.