

# ignite excellence

## SCIENCE PROGRAM (Years 8-9)

### APPLICATION PACKAGE

Science, Technology, Engineering and Mathematics underpin many functions of our modern society and have wide reaching impacts on our everyday lives. Grace Lutheran College has designed its IGNITE EXCELLENCE: SCIENCE program to provide pathways for our high achieving students to graduate 'future focused'. Combining enrichment and extension experiences in both scientific theory and practice, the program offers an array of opportunities for students to excel and develop their passion and skills for future careers in Science. First class teaching and industry connections ensure our students learn from experienced and passionate leaders in this subject.

Grace Lutheran College has long standing relationships with leading industry partners such as Macquarie University, QUT, University of Queensland, Medical Research Institutes, SPARQ-ED, Boeing, STEM Punks, CSIRO, First National Robotics League and more.

### PROGRAM OVERVIEW

The IGNITE EXCELLENCE: SCIENCE Program is specifically designed for students who demonstrate high levels of talent and interest (for their age) in this subject.

In Middle School, the program provides Science extension classes on the timetable, allowing high achieving students the opportunity to explore their strengths within this discipline at greater depth than ever before. These classes allow teachers to work through the Australian Curriculum at a pace suited to the high achieving students and to provide additional enrichment opportunities.

In Years 10 to 12, students can select from a range of challenging specialist Science subjects to meet their learning needs and interests. Early commencement of University study is also available to students in this program.

### TEACHING STAFF

The IGNITE EXCELLENCE: SCIENCE classes are taught by selected Teacher Mentors. As mentioned, the classes occur during timetabled Science lessons for that Year Level.



#### Year 7 - 12 IGNITE EXCELLENCE: SCIENCE PROGRAM PATHWAYS

##### Year 7 - 9

Ignite Excellence  
Science Program

##### Year 10

Physical Science  
Natural Science  
Applied Science and  
Engineering

##### Senior Science Subject Options:

Physics  
Chemistry  
Biology  
Psychology  
Engineering

\*Subjects on offer can change annually

# APPLICATION PROCESS

To be eligible for the IGNITE EXCELLENCE: SCIENCE Program (Years 7 - 9) students must:

- Demonstrate talent and enthusiasm in the areas of Science;
- Be committed to the high level of motivation, achievement, effort and participation required;
- Be able to work independently and in small groups;
- Demonstrate Report Card results in Science which indicate their suitability for this program;
- Submit an application form for consideration; and
- Complete any additional testing as requested.

## SUBMIT AN APPLICATION FORM

Application Approved

Placement in the IGNITE EXCELLENCE: SCIENCE class for that academic year.

Students must reapply annually

Application Not Approved

Student placed in a normal Science class where differentiation is available (as needed)

## NEW STUDENTS TO THE COLLEGE:

- **Year 7: Complete the Year7 IgniteExcellence: Mathematics and Science ProgramApplicationForm found on the College website.**
- **Year 8 or 9: Complete the application form below.**

New students to the College (including those commencing Year 7) are encouraged to apply in Term 2 of the year prior to entry. A copy of the child's most recent Report Card (and any other suitable documentation) should be provided with their application form.

Applicants are then invited to attend an Applicant Workshop Session where a small number of assessments will be completed. The College uses all the 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: Science Program.

At times there may be additional costs for students involved in the program, for particular experiences or resources related to their curriculum. To remain in the program, 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, in order for the child to remain in the program across the academic year.

Students are permitted to apply for more than one of the College's IGNITE EXCELLENCE Programs.

## CURRENT STUDENTS AT THE COLLEGE

Existing GLC students are not required to complete this form. Instead, GLC students express their interest in applying for the Ignite Excellence Programs on their Subject Selection Form (for the next academic year). This form is emailed directly to students in Term 3.

## ADDITIONAL SCIENCE OPPORTUNITIES AT THE COLLEGE

### ROBOTICS

Grace College is a State, National and International leader in the area of Robotics and is Queensland's home base for several FIRST® Robotics Competitions. The College also holds a Memorandum of Understanding with innovative and exclusive robotics schools in China, as well as close ties with national robotics specialists, Macquarie University in Sydney. Please refer to the Ignite Excellence: Robotics brochure for more information.

For more information on the Ignite Excellence: Science Program, please contact the *Learning Lead - Science*, Mrs Dominique Ridley (Dominique\_Ridley@glc.qld.edu.au) or telephone 3203 0066.



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## SCIENCE PROGRAM

### APPLICATION PACKAGE - Years 8 and 9

NAME: \_\_\_\_\_ DATE OF BIRTH: \_\_\_\_\_

APPLICATION FOR \_\_\_\_\_ (Grade) in \_\_\_\_\_ (Year). Example: "Grade 8 in 2026"

COLLEGE CAMPUS: **ROTHWELL CAMPUS**

CURRENT SCHOOL: \_\_\_\_\_ CURRENT YEAR LEVEL: \_\_\_\_\_

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

#### COURSE EXPECTATIONS:

- Students enrolled in IGNITE EXCELLENCE: SCIENCE Program will enthusiastically participate in the learning experiences and maintain a high standard of achievement 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, or in the best interests of the child, or the behaviour, work ethic or performance requirements are not met.

Please submit a copy of your most recent Report Card with your application.

What areas of Science are interesting to you? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

What Science, Engineering, Technology, or Mathematics activities have you previously been involved in? (e.g. competitions, special programs, holiday workshops, robotics, extension activities in class)

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If selected, what do you hope to gain from being a part of the IGNITE EXCELLENCE: SCIENCE Program?

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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 (new students to the College only). I understand and will adhere to the behaviour, effort and participation expectations that are part of this IGNITE EXCELLENCE: Science Program.

\_\_\_\_\_  
Student Signature

Date:

\_\_\_\_\_  
Parent/Guardian Signature

Date:

Please return the application to:

By email: **academicenrichment@glc.qld.edu.au**

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

In person: College Reception



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