

ignite excellence

ROBOTICS OPPORTUNITIES

Grace Lutheran College is a national leader in the field of robotics. As Queensland's home base for several FIRST® Robotics events, robotics at Grace College touches hundreds of students every year from both the South East Queensland region and beyond. Grace College has a Memorandum of Understanding with innovative robotics schools in China, as well as close ties with Macquarie University in Sydney. There is no other high school in Australia that can boast the same level of involvement across so many international robotics competitions. Additionally, The Educator magazine previously named Grace College as one of Australia's top 40 innovative schools for our focus on STEM and robotics.

IGNITE EXCELLENCE: ROBOTICS OPPORTUNITIES

Students can participate in robotics opportunities at the Caboolture Campus through co-curricular Robotics Teams which meet weekly to develop their skills and prepare for FTC competitions. These students learn to design, build and create robots (and robot parts) using REV materials from the USA, and via 3D printing technology.

Students can also engage with robots and coding through subjects on offer at the Caboolture Campus. Within Year 8 and 9 Digital Solutions, students learn, code, and engage with Lego Spike Prime equipment to solve robotic challenges. Students may progress to compete in the Lego Robotics competitions through this work. Subjects such as Digital Solutions are also on offer throughout both Middle School and Senior Schooling (subject to demand) and develop students' skills with coding, web design and technology.

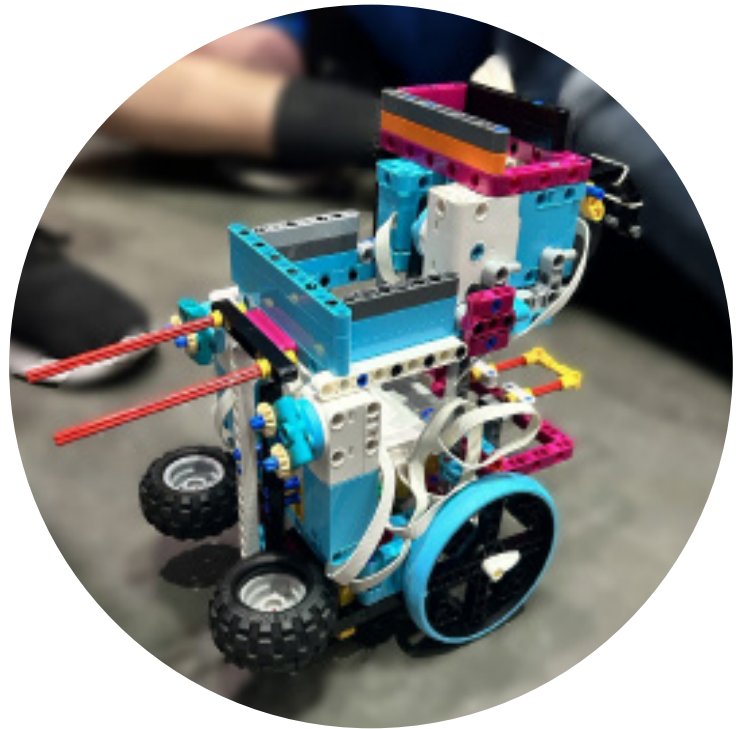
Previous College accolades in the area of robotics include:

- 1st Place (State Winners) at the FTC competition;
- 2nd Place at the National FTC Final;
- 2nd Place FRC International Championship in Dubai; and
- FFL International Competition in California (May 2023).



GRACE
LUTHERAN
COLLEGE
EST. 1978

glc.qld.edu.au



ROBOTICS EVENTS AND TRAINING AT GRACE:

- Queensland host FIRST Tech Challenge;
- Brisbane host Junior FIRST Lego League;
- Queensland host FIRST Lego League National Championship;
- Queensland host of Macquarie University backed RoboCamps; and
- International Competitions with FIRST Lego League (e.g. China, Dubai, USA competitions).

• IGNITE EXCELLENCE ROBOTICS APPLICATION PROCESS

Robotics opportunities are advertised in the Student Daily Notices. **No prior application process applies.** Students can simply sign up to participate in the Robotics opportunities when they are advertised.

For more information on the robotics opportunities of the College, please contact Mrs Caroline Price either via email: caroline_price@glc.qld.edu.au or by telephone on (07) 5495 2444.