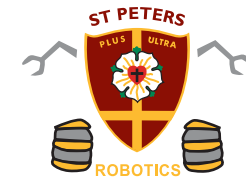
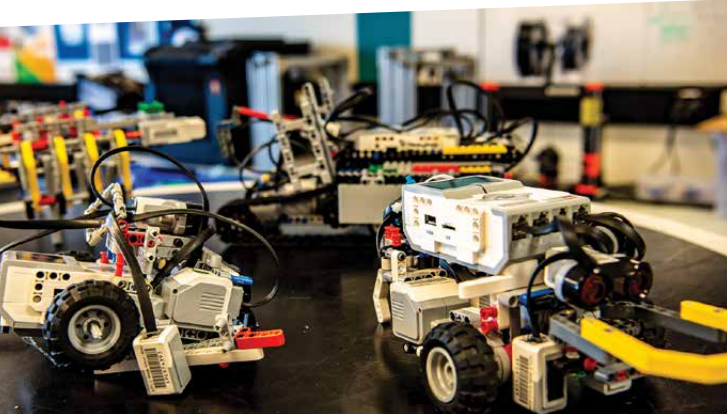


Robotics (RPSG) PARENT SUPPORT GROUP

The Robotics Parent Support Group exists to provide support to the teachers, students and community involved in the St Peters Robotics program. We get actively involved helping with Robotics sessions and workshops, fundraising events, competitions, and St Peters Open Day.

The Support Group meets regularly, normally once per term for a committee meeting. Our Annual General Meeting is held normally in March every year.

All members of the St Peters Robotics Community are invited to attend these meetings.



Care
Dignity
Respect

Contact Us

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Visit Robotics Firefly Page

Robotics as a Co-Curricular at St Peters

St Peters Lutheran College
Indooroopilly

St Peters Robotics

DEVELOPING INDIVIDUAL POTENTIAL

St Peters Robotics is a year-long lunch and afterschool program for students in Years 5 - 12. Students can participate individually, or in teams, to plan, build and program robots.

Students have the opportunity to compete formally during regional, state, national and international competitions or informally within school challenges. Open ended challenges, personal projects and set competition tasks are all available to the students.

Robotics allows students to collaborate, challenge themselves with real world technologies and engineering problem solving, innovate and create.

Equipment includes:

- EV3 robots and software (Lego Mindstorms)
- Micromelon, all in one, robots and software (Blockly and Python script)
- REV electronics (Coding options C/C++, Java and LabView)
- Arduino
- Raspberry Pi
- 3D Printer
- Makerspace electronics

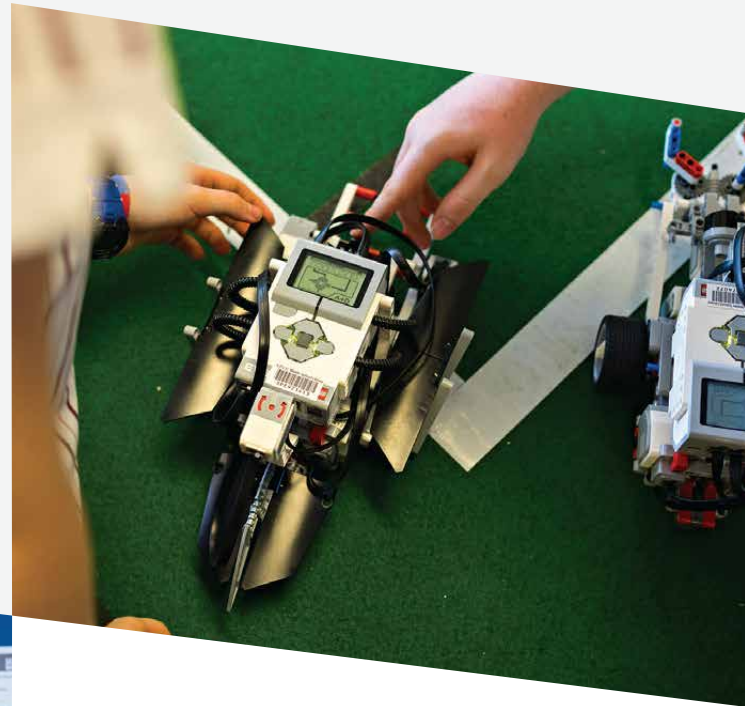


Competitions

TEAM COLLABORATION

Students are encouraged to take part in competitions as it gives a sense of purpose, encourages teams to be organised and aware of time restraints and equipment use. Team collaboration and problem solving are also benefits of working towards a common goal.

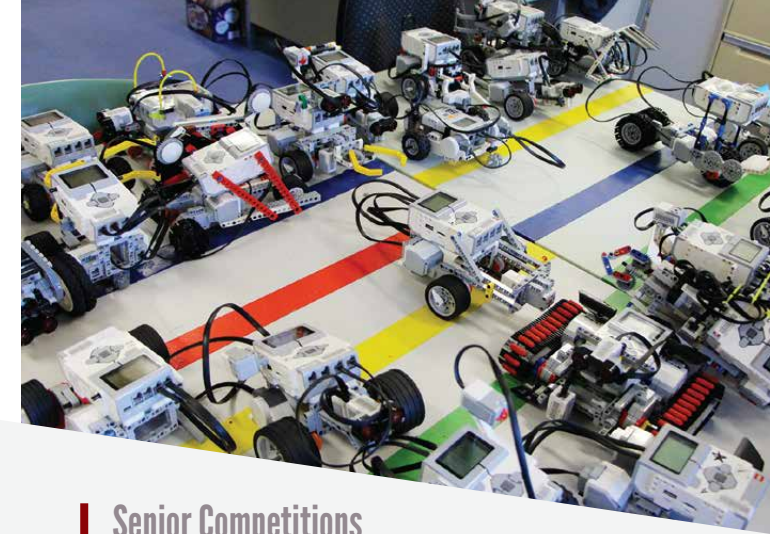
The students are supported to fulfil the competition requirements and follow steps and instructions, as well as learn any new skills needed to code or build the robot.



All Competitions

Currently, the competitions that students are encouraged to participate in include:

- | | |
|----------------|-----------------|
| RoboCup | RoboRave |
| Line Following | Sumo |
| Soccer | |
| On Stage | |
| Rescue Maze | |



Senior Competitions

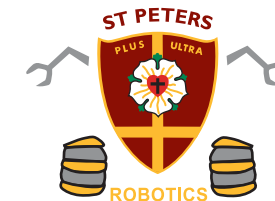
REAL WORLD OPPORTUNITIES

Senior students have previously competed in a variety of competitions in Germany, Washington, Mexico, Dubai and Tokyo. International competitions have provided networking opportunities, an awareness of technology access globally, and an involvement in real world global issues.

FIRST (For Inspiration & Recognition of Science and Technology)

- FIRST Robotics
- FIRST Tech Challenge
- FIRST Global (International)

"FIRST® inspires young people to be science and technology leaders and innovators by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership."



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