Why study Robotics?
The need for students to learn more about robotics and technology has never been more important. We live in a world of increasing technological change and the opportunities for students with skills and knowledge in these areas is advantageous for their future employment prospects.

Our goal at Wanneroo Secondary College, is to inspire an appreciation of robotics through challenging, practical real life problems and applications.

We strive to provide meaningful and engaging learning opportunities for our students and ultimately help students develop interests for their future.

The program aims to create an educational environment based on team work that nurtures creativity and innovation through robotics.

Curriculum:
The curriculum for this program is skills based and incorporates ‘hands on’ practical activities. Students look at structures, forces, gears, levers, pulleys, sensor control and other simple mechanisms.

The curriculum in future years of study builds on skills developed and students existing knowledge. Learning opportunities include a series of challenges and programming NXT robots to solve environmental issues through the “Green City Challenge”.

Students are introduced to basic electronics. Students design and construct their own circuits and develop an understanding of electronic components and their uses.

This program can open up careers in – Electronic Engineering, Mechanical Engineering, Pneumatic Engineering, Mechatronic Engineering, Automotive Engineering and Systems Controller.

How do I apply to be part of the Robotics Program?
Applicants need to complete an Application for Inclusion into the Robotics Program (attached). Testing is not a requirement, however students will need to have either a strong interest in Robotics or a desire to learn more. A general enrolment form will also need to be completed (sent out with the school Prospectus in Term 2) or by accessing the school website.