



CANBERRA HIGH SCHOOL - Technology Learning overview for Term 1

Subject: Robotronics

During Term 1, students will introduce students to basic programming as well as problem solving strategies. This will involve students in the development and building of robotics chassis' and the programming of the robots to meet different objectives.

Week	Topic	Content/Activity/Tasks
1	Introduction	Introduction to the course
2	Introduction to Lego Mindstorm EV3	Introduction to robot sensors Basics of block programming
3	Algorithms	Introduction to algorithms
4	Lego Sumo	Design and build a lego sumo robot Concepts of programming - Iteration and Repetition
5		Test and refine build Program robot
6		Compete against other robots in class
7	Lego Rescue	Identify competition requirements Design and build robot
8		Concepts of programming - procedures Test and refine robot
9		Continue project