Advance Robotics Special Event Incursion

BRiCKS 4 KiDZ®

ROBOTICS
using **LEGO® MINDSTORMS® EV3**

Experience the cutting edge of technology with the introduction of LEGO® MINDSTORMS EV3 Robotics.

Students will be captivated as they incorporate the newest generation of motors, sensors and software by programming their commands directly into the intelligent brick.

Each Incursion workshop incorporate our philosophy - **We LEARN, We BUILD and We PLAY**. Children will build in pair to encourage co-operation and teamwork.

using **LEGO® MINDSTORMS® EV3**

What will Bricks 4 Kidz® provide?

- At least two enthusiastic, trained instructors with Working With Children Checks.
- A FREE gift for each student!

What resources do we need?

- Tables and chairs for students (we'll arrange if required).
- Lots of enthusiastic kids!

Bricks 4 Kidz Gosnells & Karrinyup

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Science
Technology
Engineering
Mathematics
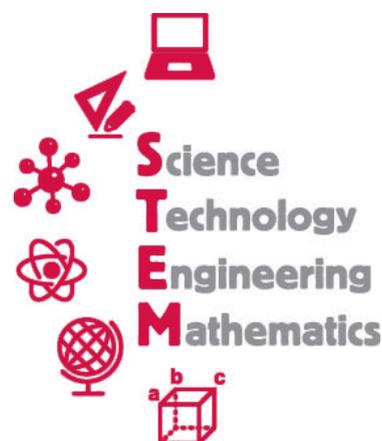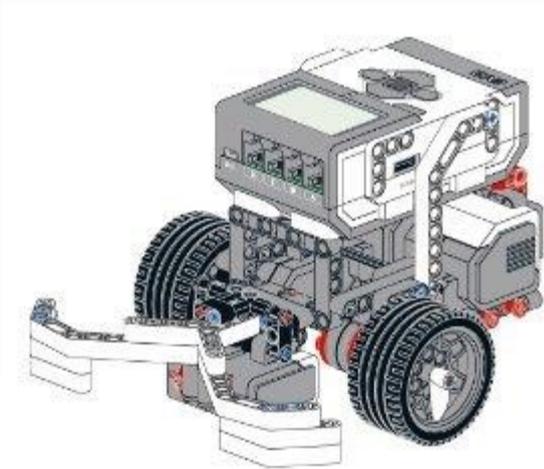
Rover Bot

The Rover Bot plays sound files such as "forward" and "backward" as it moves forward and backward using the sound block.   The Move steering block programs the model to move in a forward direction and then go backward. The Bumper Bot is an add-on to the base Rover Bot. It is equipped with two touch sensors in the front which detect bumps and avoid obstacles. If the left bumper is pressed, the model goes backward and turns right. If the right bumper is pressed, the model goes backward and turns left.

Tank Bot

Tank Bot is an all-terrain autonomous robot. Tank Bot uses the Random Function to decide on where it will go next. The display screen displays eyes that determine Tank Bot's direction of travel. The Tank Bot Ultrasonic Navigator uses the ultrasonic sensor to detect the proximity of obstructions. When it gets too close to something, the program uses a random block and a switch to decide which way to turn away from the obstacle.

Cost

Please contact us for a quote.
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