



Let your imagination go and develop skills, knowledge and experience in robotics and programming through creating fully programmable, sensory and remote controlled intelligent robots!

RoboTAMI

The RoboTAMI range of Education robotics offers great classroom solutions for Robotics and Science & Technology, through introducing students to robotic concepts in a hands-on, engaging and fun way.

Educational Robotics is a learning environment in which the students involved are motivated by the design and construction of robot creations (objects that have characteristics similar to those of human or animal life). It focuses primarily on the creation of a robot for the sole purpose of developing practical and didactic motor and cognitive skills of the students who use them. This approach is intended to stimulate interest in the hard science and encourage healthy activity.

RoboTAMI Packs help to develop skills, knowledge and experience in robotics through creating intelligent and sensory robots. Using RoboTAMI, students can create intelligent robots that can be fully programmed, or controlled via remote control or sensory-controlled.

The Smart and Mechanic Packs offer young students the opportunity to build and create basic powered robots, machines and models with mechanical moving parts. The Creative Pack offers older students the opportunity to build and create more complex robots and machines which can be fully programmable, use a pre-programmed controller, remote control or sensory-controlled robots.

Each Pack includes a student workbook which provides instructions to make up to 9 different robots (depending on the Pack) and acts as a valuable teaching resource with activity ideas to introduce students to construction, mechanics, electronics, movement, solving engineering challenges and much more.

Objectives of Educational Robotics:

- Makes programming accessible to everyone.
- Increase knowledge of and develop coding and programming skills in an orderly manner.
- Promote the experiment - where the mistake is part of learning and self-discovery.
- Develop greater dexterity and mobility in students' hands.
- Develop the ability to work in a group environment and allow students to socialise.
- Develop students' creative abilities.
- Enhance problem solving skills and strategies to be able to create a working robot. Comprehend how things work and grasp the skills needed to construct and build a robot, as well as troubleshoot why it may not work.
- Foster an ability to observe fine details, increase classroom engagement and focus attention.
- Provide an environment for lateral thinking.
- Stimulate interest and learning into new fields and take students out of their comfort zones.

- Explore new career possibilities and opens opportunities for students to find something that suits their particular interest.
- Develop learning in a fun way.

Features of each RoboTAMI Kit:

- Easy to assemble.
- Clip together construction parts.
- Various frames for complicated robot building.
- Safe and Eco-friendly Materials.
- A workbook which provides teaching resources and activity ideas.
- Programmable RISC robot controller (Creative Kit).
- Infrared sensors, touch sensors and LED modules (Smart and Creative Kits).
- PC based robot control program - develop your program then download to the robot (Creative Kit).

RoboTAMI Mechanic Pack



For ages 9+



RoboTAMI Mechanic Pack

Offers young students the opportunity to build and create powered robots, machines and models with mechanical moving parts. This Pack includes a student workbook which provides instructions to make 9 different robots and acts as a valuable teaching resource with activity ideas to introduce students to construction, mechanics, electronics, movement, solving engineering challenges and much more.

Top Tip: This Pack can be used as a set of additional parts for adding to RoboTami Creative Pack. The switch battery pack provides the ability to drive a single motor with a simple on/off switch. This item is very useful for testing more complex robots, whereby you can use the simple switch to test mechanical creations...before programming the Creative CPU Controller.

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- Pack includes:**
- Clip together construction parts.
 - Single motor and battery pack.
 - Workbook with instructions.
 - Workbooks with instructions.

RoboTAMI Smart Pack



For ages 10+



RoboTAMI Smart Pack

Offers students the opportunity to build and create robots, machines and models, which utilise a pre-programmed controller and via remote control. The kit helps to develop skills, knowledge and experience in robotics through creating intelligent and sensory robots.

The workbook provides instructions to make 7 intelligent or remote controlled robots and acts as a valuable teaching resource to aid teaching relating to construction, mechanics, electronics, movement, solving engineering challenges and much more.

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- Pack includes:**
- Clip together construction parts.
 - Motors and Battery Pack.
 - Pre-programmable CPU.
 - Workbook with instructions.
 - Sensors.
 - Remote controller.

RoboTAMI Creative Pack



For ages 11+
- Engage older students too!



RoboTAMI Creative Pack

Offers older students the opportunity to build and create more complex robots and machines which can be fully programmable, sensory and remote controlled intelligent robots.

The RoboTami Creative Pack is a robot construction kit comprising of programmable CPU, a large pack of clip together construction parts, motors and sensors, remote controller, battery pack and a workbook with instructions to make 9 intelligent Robots. There is also the opportunity to create endless robots, machines, models, all which can be programmed from the included software. All items you need are included.

The Programmable Controller is programmed using the included TronzCard software. Robot programs are created within the software GUI and downloaded to the robot via a USB connection (a download cable is included with each pack). The GUI provides a simple "card" system which can be dragged and dropped to add components (motors, sensors, if statements) to the robot programmes. The software license is provided as a site license, which means you can load on to all the devices within the school (BYOD included) and students can then work on programming tasks more freely. This software is currently PC only.

The workbook provides teaching resource and activity ideas to aid teaching relating to construction, mechanics, electronics, movement, sensing, programming, solving engineering challenges and much more. The workbook provides instructions to make 9 intelligent Robots.

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TAMICREATIVE

- Pack includes:**
- Clip together construction parts.
 - Motors and Battery pack.
 - Workbook with instructions.
 - Programmable CPU.
 - Sensors.
 - Remote controller.

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Please visit our website www.kookaburra.com.au for the latest pricing