



modern teaching aids

Resources for Digital & Design Technologies 2017

Robotics

3D Printers

littleBits

Makey Makey

Makerspaces



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PRIMO

Primo – Primo Toys is the leading purveyor of hands-on, screenless smart toys that introduce computer programming skills in early years learning. They are here to build a new standard in early learning and coding with the new Cubetto robot. Cubetto is the most crowdfunded ed-tech invention in Kickstarter history yet.



Wonder Workshop – Wonder Workshop's award-winning Dash & Dot robots teach kids 6 and up how to code, igniting curiosity and confidence through play while learning essential 21st century skills. With Wonder Workshop and our Dash and Dot Robots, every student has the building blocks to push the boundaries of what is possible.

LEGO education

LEGO® Education – For over 30 years, LEGO Education has been working with teachers and educational specialists to provide solutions and resources that are used in the classroom to bring subjects to life and make learning fun. The portfolio inspires interest in Science, Technology, Engineering, Computer Science, Maths and Humanities.



XYZprinting – Founded in 2013, XYZprinting is dedicated to bringing cost-effective 3D printing to personnel and business around the world. With proven industry expertise and an innovative spirit, XYZprinting is poised to break down the barriers of 3D printer ownership by providing an easy-to-use device that delivers an outstanding user experience.



Makey Makey – Makey Makey believes that everyone is creative, inventive, and imaginative. They believe that everyone can create the future and change the world. Makey Makey is inspired by the Maker Movement and wants to help people start to think of themselves as Makers and agents of change.

littleBits

littleBits – littleBits has the mission to democratise hardware by empowering everyone to create inventions, large and small, with their platform of easy-to-use electronic building blocks. littleBits is leading a hardware renaissance where everyone, regardless of age, gender, technical ability, or discipline, can be creative with electronics and reinvent their world.

codrone

CoDrone – Robolink, the company behind CoDrone, was established in 2012 in order to encourage students to learn about STEM in an engaging way with robotics kits. In an increasingly technology driven world, they believe in nurturing future inventors and innovators to become passionate about science, engineering, and coding by creating STEM solutions that are engaging and fun.

Makeblock

Makeblock – Makeblock is an open source construction platform that turns your ideas into reality. No matter what your idea is and how impossible it may look, Makeblock will make it possible by providing various mechanical parts and electronic modules, such as beams, plates, connectors, motors, brackets, sensors, drivers, controllers, and etc. Makeblock has become one of the best intelligent hardware companies that strive to make a difference.



Edison – Edison educational robots are an innovation from Microbric, an Australian company based in South Australia. Microbric has been providing educational robots to schools since 2004. Microbric's vision is to share electronics, robotics and programming with as many people as possible. Their technology is designed to provide users with an opportunity to experiment and have fun, while challenging their knowledge, innovativeness and imagination, without the need for expensive tools.



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Valid until 31st December 2017.
Promotional value excludes GST & freight.
*Offer excludes export & new projects.

Resource features and information



New in 2017



Magnetic



Includes Storage



Curriculum Link



Exclusive to MTA



Locally Made



Download the App



Art Activity



Green Choice



Machine Washable



Soft Fall required



Made using responsibly sourced materials



90cm (W)
60cm (D)
60cm (H) Size of product



3+ Recommended ages



CD included

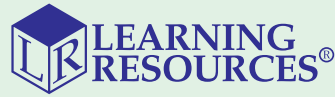
Robot Mouse

Complexity: Beginners

Extendibility: Use the coding cards and maze board pieces to create new settings over and over again.

Age Group: 5+ years

Curriculum Links: ACTDEP006/7/9/15/16/18 - ACTDIK001/2 - ACTDIP004/10



Colby the programmable mouse is the perfect resource to introduce students from the age of 5 to coding and programming. Teach students introductory programming, engineering, and critical thinking skills, as well as problem solving skills, logic, coding and navigation.



4 sets
\$359⁹⁵
SAVE \$39.85

Robot Mouse STEM Activity Set

LER2831	Each set	\$99.95
LER2831-4	4 sets	\$359.95

Build your maze, and then use the coding cards to create a step-by-step path for Colby, the Robot Mouse. Program the sequence of steps, and then watch Colby race to find the cheese! This deluxe set is the perfect hands-on introduction to coding concepts. Colby measures 7.5cm approximately.

Included in the set:

- Programmable robot mouse "Colby"
- 30 coding cards
- 10 double-sided activity cards
- Cheese wedge
- 16 pieces to create a 50 x 50cm maze board
- 22 maze walls
- 3 tunnels
- Activity guide

Key Features

- Colby the robot mouse has two 2 speeds
- It moves in 4 directions: forward, backward, left and right
- The colourful buttons match the coding cards for easy programming and sequencing
- Perfect for basic coding, problem solving, logic and navigating while having fun
- For extended learning, try adding an additional mouse named Jack (LER2841), sold separately

Robot Mouse - Additional Mouse

LER2841	Each	\$49.95
LER2841-6	Set of 6	\$269.95
LER2841-12	Set of 12	\$549.95

Here's another mouse ready to catch the cheese! Introducing Colby's friend Jack the Programmable Robot Mouse, featuring 2 speeds, perfect for tabletop and floor play. For use with our Robot Mouse STEM Activity Set (LER2831) for even more learning opportunities. Jack measures 7.5cm approximately.



Add Jack for more programming fun

Set of 12
\$549⁹⁵
SAVE \$49.45



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Cubetto

Complexity: Beginners

Extendibility: Add the adventure pack for more activities

Programming Language/Software: The instruction blocks in combination with the interface board. Based on Arduino.

Age Group: Ages 3 to 6 years

Curriculum Links: ACTDEK004/34 - CTDEP006/7/9/15/16/18 - ACTDIK001/2 - ACTDIP004/10

PRIMO



Cubetto is a playful wooden robot that helps young children (3+) discover programming through storytelling, adventure and collaboration. It's the first coding toy of its kind to work without a screen or digital interface, and lets children learn to code before they can read or write.



Cubetto - The Coding Robot

CUB001	Coding Robot	\$349.95
CUB001-5	Coding Robots - Set of 5	\$1,599.95
CUB001-10	Coding Robots - Set of 10	\$3,099.95

Set of 10
\$3,099⁹⁵
 SAVE \$399.55

The Cubetto Playset makes coding accessible to children in preliterate years, introducing core programming concepts like debugging, the queue, and recursions, and encouraging computational thinking: the process of breaking down tasks into a logical sequence of steps to reach an objective. By taking coding away from the screen, and using a hands-on, block-based programming language, Cubetto develops these skills and logic in a way specifically tailored for early learning.

Cubetto is made up of 3 separate elements: a friendly wooden robot, a tangible interface board, and a 16 piece instructions blocks set that make up a programming language you can touch. The playset comes with a charmingly illustrated 1x1m world map and story book that make every play session with Cubetto a unique and memorable adventure. Children use the instruction blocks (forward, left, right and function) on the interface board to create a sequence. Cubetto and the Interface board communicate wirelessly, and Cubetto is powered by 6 AA batteries.



Cubetto - Extra Blocks
 CUB002 Set of 16 \$39.95

This set consists of 16 additional instruction blocks to either replace missing blocks or expand your current set. The blocks are supplied in a handy storage bag.



Cubetto Adventure Pack - 4 Maps & Story Books

CUB003 Each Pack \$59.95

Add more creativity and value to Cubetto with this adventure pack. Included are 4 additional maps (1x1m each) and 4 story books, accompanying the maps.



~~\$1,809.70~~
\$1,639.95
SAVE \$169.75

Cubetto & Adventure Pack

CUB001K Each Pack \$379.95
CUB003K Kit \$1,639.95

Expand the learning adventure! CUB001K includes 1 Cubetto (CUB001) and one Adventure Pack (CUB003). The kit (CUB003K) includes 5 Cubetto Robots (CUB001), and 1 Adventure Pack (CUB003).



Bee-Bot

Complexity: Beginners

Extendibility: Use in combination with the Bee-Bot mats for cross-curricular activities

Age Group: Ages 3+ years

Curriculum Links: ACTDEP006/7/9/15/16/18 - ACTDIK001/2 - ACTDIP004/10



Award-winning programmable floor robot, the Bee-Bot® has a simple and child friendly layout that is a perfect starting point for teaching control, sequencing, basic control, directional language and programming to young children. Through creative and imaginative play, Bee-Bot is a fantastic resource to bring technology to life into every subject!



Set of 15
\$929.95
SAVE \$119.30



Original Bee-Bot

TTSB001	Each	\$69.95
TTSB001-6	Set of 6	\$399.95
TTSB001-12	Set of 12	\$749.95
TTSB001-15*	Set of 15	\$929.95

Bee-Bot measures 13 x 10 x 7cm. It has a memory of up to 40 steps, and moves in 15cm increments and with 90 degree turns. Requires 3 'AA' batteries (not included).



Bee-bot is cross-curricular – learning areas (cross-curricular resources available)

- Digital Technology
- Science
- Maths
- English
- Geography
- History

Key Features

- Clear and bright buttons
- Makes sounds and flashes eyes to confirm instructions when sequencing
- Memory of up to 40 steps and pause commands
- Robust and child friendly design
- No confusing degree turns to program
- Open-ended learning device
- Small and compact
- Performs 90 degree turn and moves in 15cm steps



Battery Charger with 4 AA Eneloop Batteries
EL3563 Pack \$51.95

Panasonic Ni-MH Battery Charger with 4 Eneloop Batteries. It charges both AA and AAA batteries and it includes 4 x AA eneloop batteries.



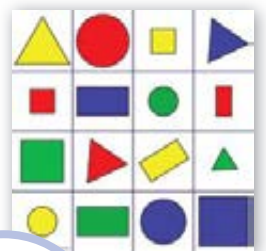
Rechargeable Batteries Eneloop - AA 4 Pack
EL2931 \$39.95

A set of 4 rechargeable AA batteries, to be recharged approximately 1800 times.

Kodak Heavy Duty Batteries AA
UB0118 Pack of 4 \$1.95
UB0119 Pack of 20 \$6.10

These Extra Heavy Duty zinc-chloride batteries will power your everyday appliances needing to be replaced less often. AA style battery delivering 1.5V and recommended for long term, small power uses. Available in packs of 4 and 20.



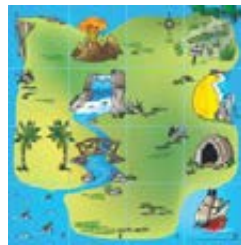


Bee-Bot Class Pack 1 - Numeracy & Literacy

TTSBKIT7 \$629.95

This class pack is a great cross-curricular resource to integrate Digital Technologies with Numeracy and Literacy and teach program and control to the young ones. The kit includes 6x Bee-Bot (TTSB001), the Fairytale Mat (TTSB033), the Alphabet Mat (TTSB002), the Early Number Mat (TTSB018) and the Shapes, Colour & Size Mat (TTSB006). Ages 3+ years

~~\$703.50~~
\$629⁹⁵
 SAVE \$73.55



Bee-Bot Class Pack 2 - Pretend Play

TTSBKIT6 \$679.95

Start teaching program and control while kids have fun and learn to be creative. This class pack includes 6x Bee-Bot (TTSB001), The Farmyard Mat (TTSB032), the Transparent Pocket Mat (TTSB090), the Robotics Cards Set (ROB003), The Treasure Island Mat (TTSB008) and the Busy Street Mat (TTSB003). Suitable for ages 3+ years

~~\$762.55~~
\$679⁹⁵
 SAVE \$82.60

new



Bee-Bot Class Pack 3 - Language

TTSBKIT9 \$479.95

This kit will teach students about language, actions and opposites. Included in the kit are 6 Bee-Bots (TTSB001), the Transparent Pocket Mat (TTSB090), a set of 46 Opposites Photo Cards (CD5007) and a set of 46 Actions Photo Cards (CD5005).

~~\$530.55~~
\$479⁹⁵
 SAVE \$30.60

Blue-Bot

Complexity: Beginners to lower-intermediate

Extendibility: Use in combination with the Blue-Bot mats for cross-curricular activities

Software: Download the Blue-Bot app

Compatibility: iOS and Android devices with 3.0/4.0 Bluetooth, Windows 7+ and Mac

Age Group: Ages 3+ years

Curriculum Links: ACTDEP006/7/9/15/16/18
- ACTDIK001/2/14 - ACTDIP004/10/19



Blue-Bot helps you code, debug and simulate algorithms! Blue-Bot is a Bluetooth enabled robot, which can be controlled with your PC or tablet. Plan your algorithm on the screen of your device and send it remotely to Blue-Bot. Or use the buttons on top of the shell to program simple algorithms.



Set of 15
\$2,499⁹⁵
SAVE \$349.30



Blue-Bot – Bluetooth Floor Robot

TTSB485	Blue-Bot	\$189.95
TTSB485-4	4 x Blue-Bot	\$729.95
TTSB485-6	6 x Blue-Bot	\$999.95
TTSB485-10	10 x Blue-Bot	\$1,659.95
TTSB485-15	15 x Blue-Bot	\$2,499.95

Blue-Bot is available individually, or in larger sets. Blue-Bot comes with a USB charging cable.

Key Features

- Blue-Bot has a clear shell, which makes it possible to see the components inside Blue-Bot. Children can see its buzz!
- Tablet or PC controlled floor robot
- Program on the robot itself, or use the Blue-Bot app to program from a distance
- Capable of performing 45 degree turns and you can also include repetitions in your algorithm
- Rechargeable and fits on the standard Bee-Bot Docking Stations (TTSB0358), or use the USB cable provided
- Compatible with Bee-Bot mats
- Cross-curricular learning tool (curriculum resources are available)
- Memory of up to 200 steps



Blue-Bot

TTSB1118	Tactile Reader	\$179.95
TTSB0546	Tile Expansion Pack	\$79.95

The tactile reader (TTSB1118) is a unique and alternative way to program Blue-Bot. Place your individual tiles in a row to build up a sequence of instructions, press go and see Blue-Bot complete the program! Up to three readers can be connected together so children can build a program of up to thirty steps for an exciting alternative to using a tablet. 25 tiles are included. The extension pack (TTSB0546) includes 25 tiles including repetition and 45 degrees. Blue-Bot is not included and required.

~~\$259.90~~
\$239⁹⁵
SAVE \$19.95



Blue-Bot Kit

TTSB1118K	Kit	\$239.95
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The kit includes one tactile reader and one expansion pack.

Charge & store up to 6 Blue-Bots!

6 x robots + docking station
\$1,079⁹⁵
SAVE \$149.70



Blue-Bot – Robot & Docking Station Kit

TTSB485K	6 x robot + docking station	\$1,079.95
TTSB0358	Docking station only	\$89.95

This docking station is not only easy to carry around your setting but is an excellent storage device for a class set of Bee-Bots. It can also be wall mounted with six Blue-Bots or Bee-Bots in situ. You'll be able to charge your Blue/Bee-Bot(s) within half a day for approximately four hours of normal use. Ages 3+ years

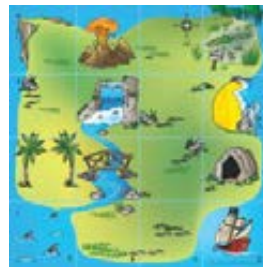


Blue-Bot Class Pack 1 - Numeracy & Literacy

TTSB485-KIT1 \$929.95

Practise early numeracy and literacy skills while teaching programming and coding. This pack includes 4 Blue-Bots (TTSB485), the Fairytale Mat (TTSB033), the Early Number Mat (TTSB018), the Shapes, Colour and Size Mat (TTSB006) and the Alphabet Mat (TTSB002).

~~\$1,043.60~~
\$929⁹⁵
 SAVE \$113.65



Blue-Bot Class Pack 2 - Pretend & Play

TTSB485-KIT2 \$929.95

Kids learn the basics of programming and coding while they play. This kit includes 4 Blue-Bots (TTSB485), The Farmyard Mat (TTSB032), the Transparent Pocket Mat (TTSB090), the Robotics Cards Set (ROB003), The Treasure Island Mat (TTSB008) and the Busy Street Mat (TTSB003).

~~\$1,075.55~~
\$929⁹⁵
 SAVE \$145.60



Blue-Bot Class Pack 3 - Tactile Reader

TTSB485-KIT4 \$1,899.95

This kit includes 6 Blue-Bots (TTSB485), 3 sets of Blue-Bot Tactile Readers (TTSB1118), 2 sets of Additional Standard Tile Sets for the Tactile Reader (TTSB1172) and 3 sets of Tile Expansion Packs for the Tactile Reader (TTSB0546).

~~\$2,079.30~~
\$1,899⁹⁵
 SAVE \$179.35



Teach language and literacy with Bee-Bot

Bee-Bot Fairytale Mat
TTSB033 \$85.95

Children will enjoy programming Bee-Bot to visit characters and scenery from familiar fairytales, including: Goldilocks and the Three Bears; Jack and the Beanstalk and The Three Little Pigs. Comprehensive teacher's notes included. Size 120(L) x 45(H)cm.

Bee-Bot Alphabet Mat
TTSB002 \$59.95

This Bee-Bot Alphabet Mat is an excellent way to learn literacy and ICT skills through play. Children can explore the alphabet while playing a range of literacy games. Size: 75(L) x 90(H)cm.



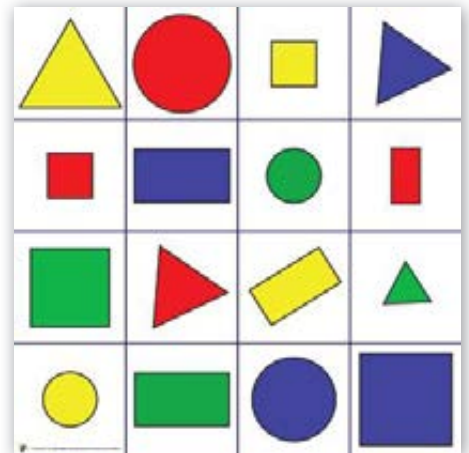
MTA Junior Robotics Australian Money Mat
TTSB016 \$59.95

This Australian Money Mat shows the front and back of coins and notes. The mat measures 60(L) x 75(H)cm.



Bee-Bot Shape, Colour and Size Mat
TTSB006 \$82.95

A fantastic resource for combining mathematics with ICT using Bee-Bot. Use this to help with shape, colour, size and position recognition. Size: 60cm square.



MTA Junior Robotics Early Number Mat
TTSB018 \$54.95

This mat shows the numerals, written word and number pictures from 1 to 10. The mat measures 75(L) x 90(H)cm.



Use Bee-Bot for maths classes

Number Track
TTSB004 \$70.95

Durable vinyl walk-on mat that can be used in or outdoors. Helps physically reinforce number recognition, sequencing and counting from 0 to 10, with help from the lovely printed animals. Size 28(L) x 165(H)cm.





Learn about North, East, South and West



Doubles up as a giant wall display



Bee-Bot Mat – World Map

TTSB446 \$199.95

Travel the world and go on a voyage of discovery with Bee-Bot and our brand new Bee-Bot world map! This massive map contains an array of information and detail about the world, including the oceans, continents, countries, capital cities, landmarks and other large cities. The map is printed onto hard-wearing vinyl with eyelets, so when it is not being used with Bee-Bot it doubles up as a fantastic wall display. A whopping 210(L) x 120(H)cm!



MTA Junior Robotics Australia Map

TTSB017 \$79.95

Teach geography with Bee-Bot! This large mat shows the main cities, rivers, lakes, mountains and highways. It measures 90(L) x 120(H)cm.



Bee-Bot Farmyard Mat

TTSB032 \$82.95

Down on the farm...Children will enjoy learning about life on the farm and acting out rural adventures with this colourful mat. Introduce children to different animals, crops and how they are grown, etc. Size: 75cm square.



Bee-Bot Treasure Island Mat

TTSB008 \$62.95

This island and treasure hunt mat comes with comprehensive support notes. Size: 60cm square.



Busy Street Mat

TTSB003 \$69.95

This Bee-Bot mat provides a multitude of activities to suit a variety of learning objectives e.g. ICT, literacy, numeracy and knowledge and understanding of the world. Size 120(L) x 45(H)cm.

Perfect for pretend play or to learn about the neighbourhood



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



Bee-Bot Transparent Pocket Mat

TTSB090 \$54.95

This flexible pocketed mat is transparent to allow you to place it over an existing Bee-Bot mat and add in cards or images to further enhance Bee-Bot's adventures.



MTA Robotics Cards Set

ROB003 60 cards \$44.95

These double-sided cards can be used in combination with the transparent pocket mat (TTSB090) to teach a wide variety of curriculum topics with Blue/Bee-Bot. The set includes the letters A to Z, the numbers 0 to 20 plus the operation signs, 8 coloured cards, 8 shape cards, 26 cards of animals with their babies and 26 cards related to the home, garden and neighbourhood (bed, table, couch, tree, crossroad, police office, etc.). A total of 60 double-sided cards. Each card measures 13cm square.



Use Blue-Bot & Bee-Bot for any subject with these open-ended cards & mat

~~\$99.90~~
\$89.95
SAVE \$9.95

Transparent Pocket Mat & Robotics Card Set

ROB003K \$89.95

This kit includes one Transparent Pocket Mat (TTSB090) and one MTA Robotics Card Set (ROB003).



Bee-Bot Transparent Grid

TTSB015 \$42.95

Turn any map, chart or picture into a Bee-Bot activity with this clear plastic cover with grid lines. Size: 60cm square.



Bee-Bot Shells

TTSB005 Set of 30 \$79.95

Use these plastic clip-on shells to change the Bee-Bot (TTSB001 - sold separately) into different characters. Why not try a postman, a ladybird or a racing car! This set includes 30 shells, 10 of each colour. Ages 3+ years



Let's Go with Bee-Bot Book

TTSB012 \$62.95

This fantastic resource will help you understand the basics of the Bee-Bot robot and use it for a variety of cross-curriculum topics, accompanied with a whole host of tips. Enjoy over 20 activities with lots of tips on imaginative ways to use the Bee-Bot.



Flexible storage

Bee-Bot Carry Bag

TTSB258 \$92.95

Securely transport up to six Bee-Bots and three mats in this handy carry bag. As the compartments are expandable, the carry case is also suitable for other technology resources. Illustrated Bee-Bots not included. Ages 3+ years



Focus on Bee-Bot Lesson Activities 1 Software

(PC Windows 95 upwards, iMac running PC Emulator)

TTSB013	Single Licence	\$69.95
TTSB014	Software & Site Licence	\$229.95

This easy to use software package has been developed to bring Bee-Bot to life on your computer. Explore different worlds through Bee-Bot's eyes or view from above. Using the arrow keys, children will learn about simple programming in this virtual world.

Free 14 days software trial available at www.bee-bot.co.uk



Focus On Bee-Bot Lesson Activities 2 Software

TTSB055	Single Licence	\$109.95
TTSB056	Site Licence	\$252.95

Following in the footsteps of 'Focus on Bee-Bot', we are proud to present 'Lesson Activities 2'. This software includes 8 new virtual mats along with the ability to create your own world by importing pictures and maps.

Create your own adventures using your own photos and maps

Focus on Bee-Bot Lesson Activities Software 3

TTSB982	Single licence	\$89.95
TTSB983	Site licence	\$269.95

The resource is an excellent starting point for teaching control, directional language and simple programming to young children. It is suitable for both individual study and whole class whiteboard teaching. The software includes a range of activities for 25 brand new Bee-Bot cross-curricular activity mats including Australian Adventure, Minibeasts, New and Old Toys and People Who Help Us. Children create their own on-screen activity mats and build and save 3D Bee-Bot worlds. Included with Bee-Bot Lesson Activities 3 is a free bonus pack of 25 on-screen country maps and regions. Compatible with Windows XP, Vista, Windows 7 or 8. For a full list of mats included, please refer to our website.





new

Coding Buddies Activity Set

LER2835 \$64.95

Coding with your buddies is a step in the right direction! Enjoy non-digital coding activities that promote cooperative learning through interactive team play. Hopping, stepping and turning encourage gross motor skills and directional sense. Set includes 20 EVA foam mats, 20 coding cards, and the following die-cut pieces: 2 robots, 2 gears, 2 springs, 2 arrows and 2Xs. Guide includes coding overview and sample mazes. The mats measure 24 x 24cm.

new



Mice & Dice - Coding Board Game

DL5440 \$74.95

An exciting and challenging board game that promotes spatial orientation, learning of directions, as well as planning and strategic thinking. The players move their mice toward the yellow cheese slices that scattered on board by following the numbers shown on the dice and the directions shown on cards. The winner is the first to collect 10 slices of cheese or the one who collects the most slices. Content: Folding play-board (50 x 50 cm) made of a sturdy cardboard, 4 colour mice, a dice with dots, 8 direction cards and 50 slices of yellow cheese.



The board game that teaches coding



Code Master Programming Logic Game

TN1950 \$39.95

The ultimate coding adventure! In Code Master, your avatar will travel to an exotic world in search of power crystals. For all 60 levels, you'll have to use programming logic to help your avatar collect the crystals and land at the portal. Think carefully, in each level, only one specific sequence of actions will lead to success. Ages: 8 to adult. Players: Single Player.

Included in the set:

- Avatar
- Portal
- 6 Crystals
- 10 Maps with 60 Levels
- 12 Guide Scrolls
- 12 Action Tokens
- 8 Conditional Tokens
- Instructions with Solutions



The most backed board game in Kickstarter history!



Robot Turtles – The Game for Little Programmers

TN1900 \$39.95

Robot Turtles is the first board game for little programmers! The most backed board game in Kickstarter history sneakily teaches pre-schoolers the fundamentals of programming, from coding to functions, while making silly turtle noises! Before you know it, your little one will be writing computer games rather than just playing them! Includes: Game Board, 4 Robot Turtle Tiles, 4 Jewel Tiles, 36 Obstacle Tiles, 4 Bug Tiles, 4 Code Card Decks (44 Cards Each).

Dash & Dot

Complexity: Beginners to intermediate

Extendibility: Add Dash & Dot's accessories for extended learning and fun

Programming Language/Software: Path, Go, Blockly, Wonder and Xylo - all free to download

Compatibility: iOS 8.1+, Android 4.4.2+, Kindle 5.1.2+ - See full list on our website

Age Group: 5-11 years

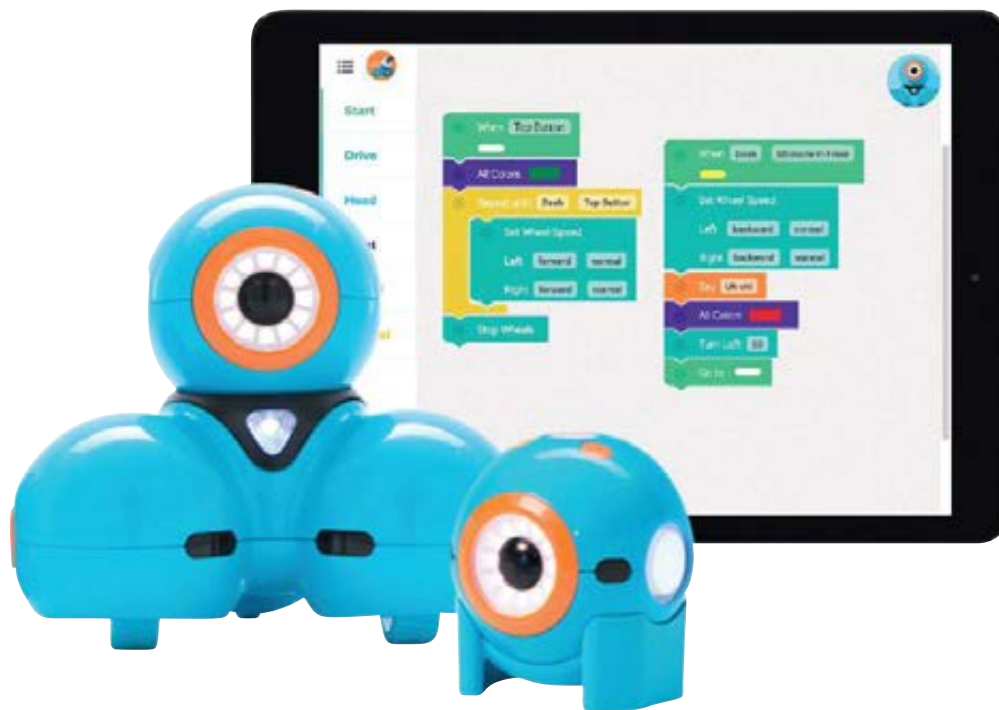
Curriculum Links: ACTDEK034 - ACTDEP007/9
- ACTDIK001/7 - ACTDIP004/10/11/19/30/41



YouTube



Dash & Dot are exciting, hands-on learning tools for students from K to Year 5. Targeted at teaching creative problem solving and computational thinking, students learn fundamental processes relevant for 21st century skills. Dash has motors, sensors, can make sounds and light up, all controlled via apps on your tablet.



10x Dash
\$2,399⁹⁵
SAVE \$349.55

Dash & Dot Educational Robots

DW001	Dash	\$274.95
DW001-5	5 x Dash	\$1,199.95
DW001-10	10 x Dash	\$2,399.95
DW002	Dash & Dot	\$329.95

Dot is a puppet master who instigates the adventures that Dash goes on. When you toss, shake, or pick Dot up, Dot sends a signal telling Dash what to do. Dot can also tell stories using lights, sounds and eye expressions! Dash is an explorer who zips around the room, getting into mischief along the way. Using sensors, Dash can detect objects in front and behind, and hear where you are. This robot has quite the personality and becomes more capable as you program and play.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



Complete learning experience

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new

Dash & Dot Wonder Pack – Dash & Dot & Accessories

DW0403 Pack \$439.95

The Wonder Pack offers the richest and biggest learning experience. Each pack includes Dash, Dot, the Accessory Pack, building Brick Connectors, the Xylophone, and the newly added Ball Launcher.

Learning Objectives

- Computational thinking – Analyse problems and design algorithms to program robot actions and reactions using Blockly, a visual drag-and-drop coding tool.
- Maths – Explore concepts like the number line, geometry, angles, distance, time, and variables.
- Science – Learn about the scientific method, or program Dash to mimic behaviour in the natural world.
- Engineering – Develop design thinking skills by building extensions on the robots with LEGO® bricks.
- Creative writing and the arts – Explore storytelling, drawing, and even music.

Dash’s Key Features

- Drive: Dash can drive forward, backward, turn left (spin), and turn right (spin)
- Head Motion: Dash can look up (25 degrees), down (10 degrees), left (120 degrees), or right (120 degrees).
- Lights: Dash’s eye has 12 LEDs, RGB LEDs in his ears and chest, and 2 red LEDs in his tail
- Sounds: Includes a variety of pre-programmed sounds!
- Microphone: Dash has 3 microphones
- Distance sensors: Dash has 2 distance sensors in front and 1 in back
- Buttons: Dash has 4 programmable buttons

Dot’s Key Features

- Lights: Dot’s eye has 12 LEDs and RGB LEDs in Dot’s ears and eye
- Sounds: Includes a variety of pre-programmed sounds!
- Microphone: Dot has 1 microphone, allowing Dot to hear claps and voices.
- Buttons: Dot has 4 programmable buttons.
- Accelerometer: Dot’s accelerometer allows Dot to know when you are tossing, shaking, moving, or tilting Dot.





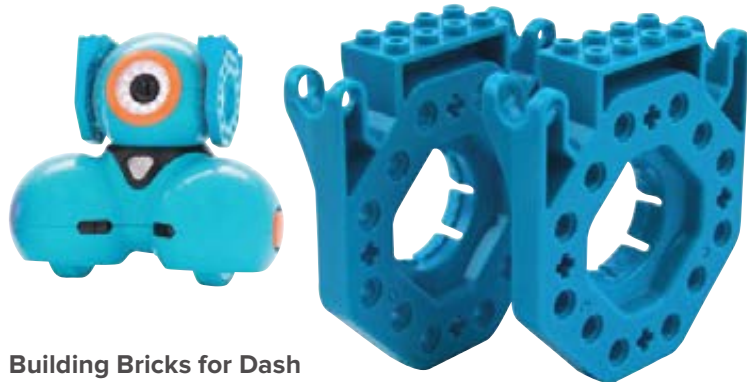
Dash Ball Launcher – Accessory
DW007 \$49.95

This fun accessory transforms your Dash robot into a projectile-launching machine. Because it's powered by Dash, kids can learn how simple machines like a lever works in a fun way. Comes with 3 projectiles and 6 stacking targets that can attach to LEGO®-compatible bricks to build intricate targets. Dash is not included and is sold separately.



Xylophone Accessory for Dash
DW004 Each \$54.95

Everything you need to turn Dash into a Beethoven while you learn to program with music. Mallet accessory included. Dash is not included.



Building Bricks for Dash
DW005 Each \$29.95

Dash can use building brick connectors to play with your existing toys! They are compatible with Lego® bricks, Technics, Mindstorms kits and Hero Factory. Each pack comes with 4 connectors. Dash is not included.



Accessory Pack for Dash
DW003 Each \$59.95

Give Dash new abilities and looks by adding accessories! This package includes a bulldozer bar to clean up those toys (for Dash only), bunny ears, a bunny tail and a tow hook. Dash is not included.



Dash & Dot Classroom Solutions

DW001-KIT1	Starter Pack	\$1,799.95
DW001-KIT2	Group Pack	\$3,099.95
DW001-KIT3	Class Pack	\$4,499.95

Dash & Dot come with a variety of accessories to enhance the educational experience! We have created kits in a variety of sizes, suitable for different sizes of classes and schools.

DW001-KIT1	DW001-KIT2	DW001-KIT3
• 6x Dash	• 10x Dash	• 15x Dash
• 3x Dot	• 5x Dot	• 5x Dot
	• 2x Xylophone	• 5x Xylophone
	• 2x Ball Launcher	• 5x Ball Launcher
	• 2x Building Bricks	• 5x Building Bricks
	• 2x Accessory Pack	• 5x Accessory Pack

Class pack
\$4,499⁹⁵
SAVE \$449.30

Pro-Bot

Complexity: Intermediate

Extendibility: Build onto Pro-Bot with K'NEX pieces

Programming Language/Software: On-board programming or Pro-Bot software (sold separately)

Age Group: 8+ years

Curriculum Links: ACTDEK023/34

- ACTDEP006/7/9/15/16/18/25/26 - ACTDIK001/2/14

- ACTDIP010/11/17/19/20/27/29/30



When children need a bigger challenge than the Bee-Bot, Pro-Bot provides the next step. The built-in LCD screen makes on-board programming easy. Use distance for movements and degrees for turns, or program the sensors for more advanced control techniques. It has the capability to repeat and follow a series of commands, including a main program and sub-programs. Built-in touch, light, and sound sensors give Pro-Bot the ability to respond to its environment, making it a great platform for teaching the basics of robotics.



Set of 15
\$2,799⁹⁵
 SAVE \$499.30



Pro-Bot

TTSP0535	Each	\$219.95
TTSP0535-4	Set of 4	\$799.95
TTSP0535-8	Set of 8	\$1,499.95
TTSP0535-15	Set of 15	\$2,799.95

Pro-Bot is now rechargeable! Pro-Bot is compatible with K'NEX and accepts standard felt pens. The backup memory uses lithium battery (supplied). Ages 6+ years

Key Features

The Pro-Bot is now rechargeable. Pro-Bot features a bright LCD screen and has an attractive and bright car design.

- Introduce distance for movement and degrees for turns
- Can operate independently or alongside your PC with our software (sold separately)
- Can be used simply by programming arrows or accepts more complex commands
- Routes taken can be drawn using our simple pen mechanism and a standard felt tip pen
- Sensors: Fully functional headlights using light sensors and bumper sensor to provide strong grounding in robotics concepts
- 4 locator points on the body allows the use of K'NEX®





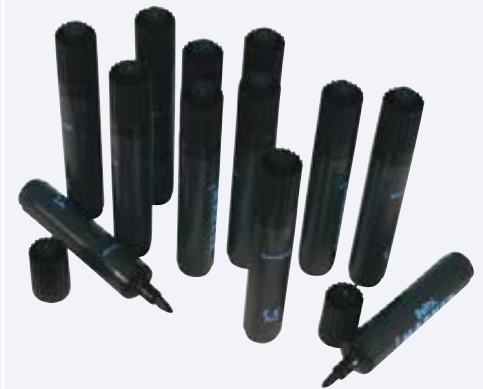
Pro-Bot
TTSP0535-4 Set of 4 \$799.95

Pro-Bot is now rechargeable! Pro-Bot is compatible with K'NEX and accepts standard felt pens. The backup memory uses lithium battery (supplied). Ages 6+ years



Amusement Park Mat
TTSP007 Each \$99.95

Experience all the fun of the fair with this fun amusement park mat. Designed to make children think more creatively about the angles at which Pro-Bot would be traveling along each ride. Size 125 x 125cm.



Black Markers
TTSP005 Set of 12 \$21.50

These dry wipe black markers are water-based and have washable ink.



Pro-Bot Group Pack

TTSP0535K1 Group Pack \$899.95

Get started with Pro-Bot using this complete bundle! This kit contains 4x Pro-Bots (TTSP0535), 1x Amusement Park Mat (TTSP007), Pro-Bot Markers Set (TTS005).

~~\$1,001.25~~
\$899⁹⁵
SAVE \$101.30



~~\$969.75~~
\$899⁹⁵
SAVE \$69.80

Pro-Bot & K'NEX® Pack

TTSP0535K2 \$899.95

This kit consists of 4x Pro-Bot (TTSP0535) and one set of K'NEX Introductory Building Set. This allows you to personalise your Pro-Bot with the K'NEX pieces. Combine digital technologies with engineering and design! Enhance the car design to let Pro-Bot carry objects around, convert into a tank or create a space ship. The possibilities are endless!



Features

- Pen up/down feature which can also be demonstrated on the floor robot.
- Ability to modify and improve routes on screen when programmed.
- Capability to upload and download your sequences to our floor robot.
- Change the background image, or import your own.
- A USB cable is included with Probotix.

Probotix - Pro-Bot Software

TTSP477 Single License \$104.95
TTSP478 Site License \$299.95

Allow children to take complete control of their programming with this on-screen Logo programming software. Easy to use programming with directional buttons or logo language. Probotix is compatible with Windows 7.



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CodeyBot



Complexity: Beginners to intermediate

Extendibility: Codeybot can be enhanced with a number of accessories and upgrades available in the future. Imagine cameras, smart device attachments, and much more! We will keep you informed about the availability of these add-ons.

Programming Language/Software: mBlockly for Codeybot

Compatibility: Linux OS / MT7688 Processor - iOS 7 and above: iPhone 4 or later - iPad 2 or later - iPad mini (all models) - iPod 4th Gen. or later

Age Group: 5+ years

Curriculum Links: ACTDEP006/7/9/15/16/18 - ACTDIK001/2/7/14 - ACTDIP010/11/17/19/20

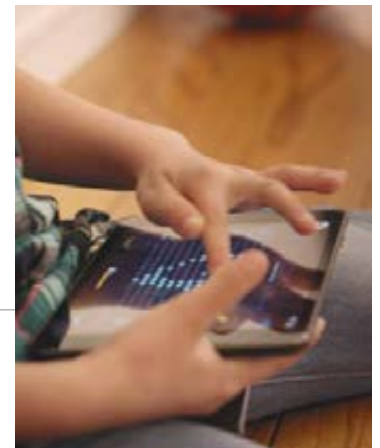
CodeyBot, the fully customisable robot, teaches coding, dances and plays music. Codeybot can be controlled with your smartphone or tablet. Let Codeybot balance on two wheels, draw emoji's shown on Codeybot or program it with mBlockly. Don't let his size fool you, this little bot packs a big punch.



CodeyBot		
MB99061	Each	\$299.95
MB99061-5	Set of 5	\$1,399.95
MB99061-10	Set of 10	\$2,699.95
MB99061-15	Set of 15	\$3,999.95

Set of 15
\$3,999.95
SAVE \$499.30

CodeyBot inspires fun and learning through his LED drawing panels, feeds entertainment to daily life with all his customisable features, and encourages connectivity through his stereo speakers, dancing capabilities, and more. Use the graphical program editor to write a program, and help Codeybot follow directional commands in the real world. Draw designs and faces, and watch your creations come to life on the LED panel.



Makeblock LED Laser Turret for Codeybot

MB98060	Each	49.95
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The LED Laser Turret is an add-on for Codeybot. Make Codeybot battle-ready and challenge your students in battle mode. Please note: the laser feature can only be activated when paired and in battle mode. Codeybot is not included and sold separately.

Key Features

- Program Codeybot with mBlockly, a graphical drag-and-drop programming tool based on Blockly. It uses fundamental programming exercises including algorithm design, command sequences and control flow, conditionals, loops, sensors and events through creative problem solving
- Codeybot recognises and responds to voice comments: Forward, backward, turn around, smile, angry, upset, change colour
- Specifications: LED Panel, dual encoder motor, 2x stereo speaker, gyroscope sensor, WiFi and 2.4G connectivity, magnetic dock, RGB side light, polyamide ball
- Includes docking station and USB cable for charging

mBot

Complexity: Intermediate to lower-advanced

Extendibility: Fully compatible with Makeblock platform and LEGO compatible

Programming Language/Software: mBlock, Scratch 2.0, Arduino, Java

Compatibility: Bluetooth version: iOS 7 or above, Android™ 2.3 or above - 2.4G version: PC or Mac

Age Group: 8+ years

Curriculum Links: ACTDEK013/20/23/31/34/46

- ACTDEP014/15/16/18/25/26/28/36/37/39 - ACTDIK007/14

- ACTDIP010/11/17/19/20/27/29/30/40/41



mBot is an all-in-one solution to enjoy the hands-on experience of programming, electronics, and robotics. Working with mBlock inspired by Scratch 2.0, connecting with computers or smart devices via Bluetooth or 2.4G (different versions), this easy-to-assemble mBot provides infinite possibilities for you to learn STEM.



Set of 10
\$1,549⁹⁵
 SAVE \$249.55

Makeblock mBot V1.1

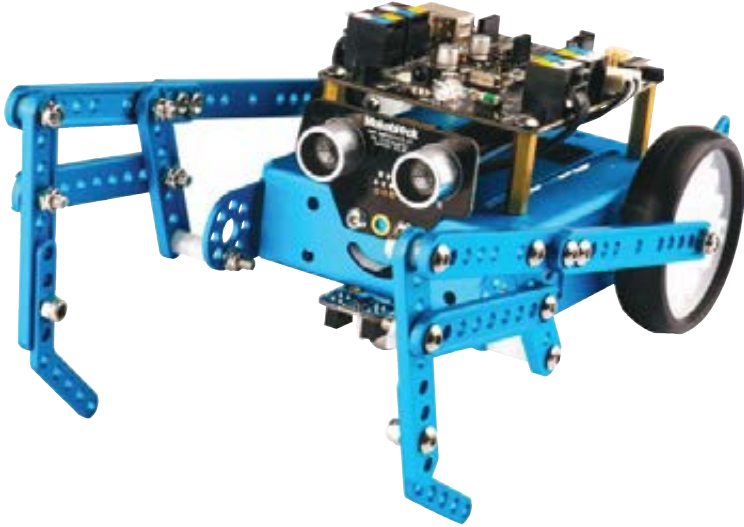
MB90053	Bluetooth Version – Each	\$179.95
MB90053-5	Bluetooth Version – Set of 5	\$799.95
MB90053-10	Bluetooth Version – Set of 10	\$1,549.95
MB90058	2.4G Version – Each	\$179.95
MB90058-5	2.4G Version – Set of 5	\$799.95
MB90058-10	2.4G Version – Set of 10	\$1,549.95

mBot is available in Bluetooth version or 2.4G version and comes with various basic pre-assembled options, including obstacle-avoidance car, line-following vehicle, remote control car, and can be used in multiple games.

Key Features

- Compatible with the Makeblock platform and most LEGO parts
- Electronic parts are based on the Arduino open source ecosystem
- Easy drag-and-drop software
- Input: Light sensor, button, infrared receiver, ultrasonic sensor, line follower
- Output: Buzzer, RGB LED, infrared emitting, two motors, 4 ports
- mCore programming board with four colour-labelled RJ25 connectors for easy wiring and expansion with more Arduino sensors
- Infinite extensibility, using any mechanical parts and electronic modules
- Change from Bluetooth to 2.4G or vice versa by adding the 2.4G Wireless serial (MB13030) or the Bluetooth Module (MB13035), sold separately. See page 20.

new



Six-Legged Robot - mBot Add-on Pack

MB98050 Pack \$36.95

This add-on pack for MakeBlock's mBot includes a selection of beams and screws to turn mBot in a 6-legged robot. Please note: mBot (MB90053/MB90058) is not included and sold separately. mBot is required for the use of this 6-legged add-on pack.

Included in the set

- 6x Screw M4*8
- 8x Screw M4*14
- 8x Screw M4*22
- 4x Screw M4*30
- 4x Screw M4*35
- 8x Nut M4
- 16x Lock Nut M4
- 12x Plastic Spacer 4*7*10mm
- 14x Plastic Spacer 4*7*3mm
- 24x Pack of Rivets
- 2x Beam 0808-108
- 2x Beam 0808-092
- 6x Beam 0808-076
- 2x Beam 0808-060
- 2x Plate 45 degrees blue
- Wrench M5-M7

new



Servo Pack - mBot Add-on Pack

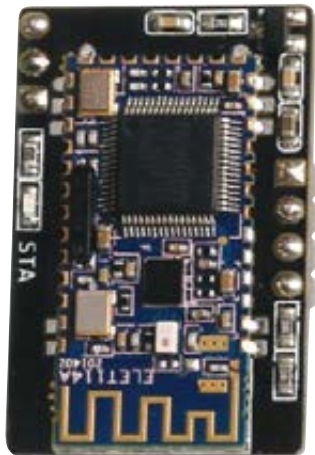
MB98052 Pack \$49.95

mBot servo pack is a 3-in-1 add-on pack for mBot. You can construct the 'Dancing Cat', 'Head-Shaking Cat' and 'Light-Emitting Cat' with the components in the pack and mBot (MB90053/MB90058, not included and sold separately).

Included in the set

- 4x Brass Stud M4*25
- 2x 6P6C Cable - 20cm - black
- 1x RGB-LED V1.1
- 2x Plate I1 - blue
- 20x Screws M4*8
- 2x Plastic Ring
- 1x RJ25 Adapter
- 1x Wrench M5+M8
- 10x Nut M4
- 1x 9g Servo pack
- 2x Bracket 3*3
- 4x cuttable linkage (blue)

new

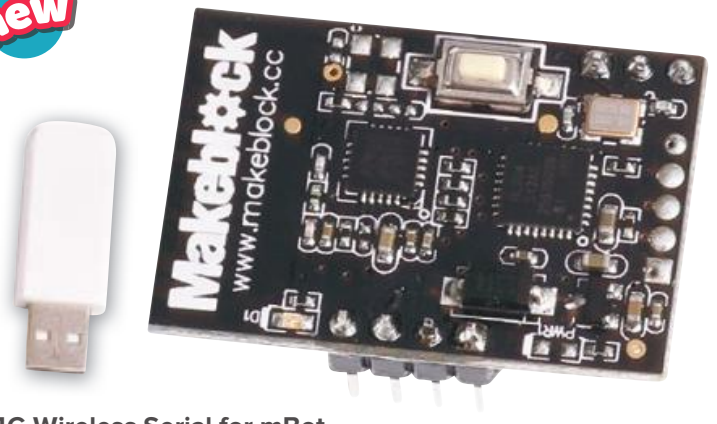


Bluetooth Module for mBot

MB13035 Each \$29.95

Add this Bluetooth module to the 2.4G version of mBot (MB90058) to be able to use the robot wirelessly on your tablet or computer (Bluetooth enabled).

new



2.4G Wireless Serial for mBot

MB13030 Each \$39.95

Add this 2.4G Wireless Serial to the 2.4G version of mBot (MB90053) to connect mBot to your computer via a 2.4G wireless connection, recommended for classrooms use. Includes dongle and module to plug on the mCore.

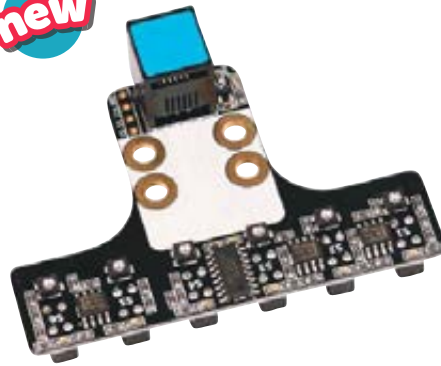
new



mCore - Main Control Board for mBot
MB10041 Each \$59.95

Main control board designed for mBot. Based on Arduino Uno, mCore integrates various on-board sensors, such as buzzer, light sensor, RGB LED, etc. Comes with four RJ25 connectors.

new



Me Line Follower Array
MB11044 Each \$24.95

Perfect to create line-following robots. It has 6 pairs of infrared probes with high-precision comparators to compare the detected colours.

new



Injection Omnidirectional Wheel
MB87020 Set of 2 \$4.95

The injection omnidirectional wheel is made of a steel ball and plastic bracket, the wheel turns freely in any direction. It is compatible with the mBot or other three-wheeled robot cars.

new



Makeblock - Me LED Matrix 8x16
MB13412 Each \$19.95

Allows you to give expressions, animations, or all sorts of other fun displays to your mBot, by programming the mBlock software. It has 128 blue LEDs packed into 16x8 dot matrix. mBot not included.

new



Makeblock - TT Geared Motor
MB81320 Each \$7.95

The new power source with plastic gears in Makeblock platform. It can be used in mBot as the power source.

new



Makeblock - Me Temperature Sensor - Waterproof
MB11014 Each \$13.95

This waterproof temperature sensor is 50cm long and measures from -55 to +125°C.

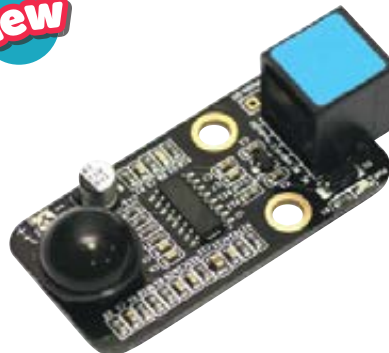
new



Makeblock - Me 7-Segment Serial Display - Red
MB13402 Each \$15.95

A classic 4-digit common anode 7-segment display, usually used to display numbers and a few special characters.

new



Makeblock - Me PIR Motion Sensor
MB11010 Each \$13.95

Detect motion from animals/humans from about 6m away.

new



Makeblock - Me RGB LED Module
MB13400 Each \$11.95

This module has 4 full colour RGB LEDs. Each LED can be controlled individually to adjust its brightness and create any colour by mixing different amounts of red, green, blue.



Free Freight

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Makeblock & RobocupJunior



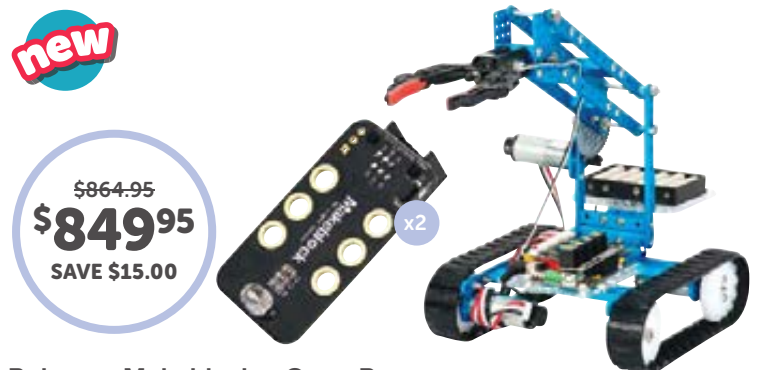
The mBot is suitable for RoboCup Junior Australia Dance, Rescue and Soccer. It will need refinement and development to be able to complete those challenges well, but that can also be said for all robotic platforms. In addition to the basic kit, you will need Me Light Sensors to follow a RoboCup Line. On our website, you can find a tutorial on how to modify the sensor to make it suitable for Robocup competitions. You will also need the Servo Add-on kit for Secondary Rescue. Please note that the Me Line Follower does not work for Robocup Junior purposes.

MakeBlock have more robots than the mBot and with the Ultimate Kit, this is the robot that is truly versatile. The Ultimate Bot has a larger brain than the mBot and will require more investigation from teams. However, it is still based on the Arduino platform but now introduces some Raspberry Pi capabilities. The parts list is extensive and will allow teams to create their own unique solutions to the RoboCup Challenges.



Robocup Makeblock – Primary Rescue
MBKIT1 Kit **\$199.95**

Get your students involved in RobocupJunior competitions with this Primary Rescue Kit. The kit includes 1x mBot 2.4G Version (MB90058), 2x Light Sensors (MB11007) and 1x Injection Omnidirectional Wheel - Set of 2 (MB87020).



Robocup Makeblock – Open Rescue
MBKIT3 Kit **\$849.95**

Take Robocup Rescue competitions to the next level with this Open Rescue Kit. Included is 1x Ultimate Bot V2.0 (MB90040) and 2x Light Sensors (MB11007).



Robocup Makeblock – Secondary Rescue
MBKIT2 Kit **\$239.95**

This Secondary Rescue Kit is a perfect start to RobocupJunior Rescue competitions. The kit includes 1x mBot 2.4G Version (MB90058), 2x Light Sensors (MB11007), 1x Servo mBot Add-on Pack (MB98052) and 1x Injection Omnidirectional Wheel - Set of 2 (MB87020).



Robocup Makeblock – Maze Kits
MBKIT4 Maze mBot Kit **\$184.95**
MBKIT5 Maze Ultimate Bot Kit **\$829.95**

These kits can be used to compete in the RobocupJunior Maze competitions. Please note that a 3rd party proximity heat sensor will need to be included (available from 3rd party suppliers). The Maze Kit is available with mBot and Ultimate Bot.

MBKIT4 includes 1x mBot 2.4G Version (MB90058), 1x Light Sensor (MB11007) and 1x RJ25 Adapter (MB13801).

MBKIT5 includes 1x Ultimate Bot V2.0 (MB90040), 1x Light Sensor (MB11007) and 1x RJ25 Adapter (MB13801).

mBot Ranger

Complexity: Intermediate to advanced

Extendibility: Fully compatible with Makeblock platform

Programming Language/Software: mBlock, Makeblock HD, Scratch 2.0, Arduino, Java

Compatibility: Apple tablets: iOS 7.0 or later - Apple smartphone: iOS 8.0 or later - Android tablets/phones: Android 3.0 or later

Age Group: 8+ years

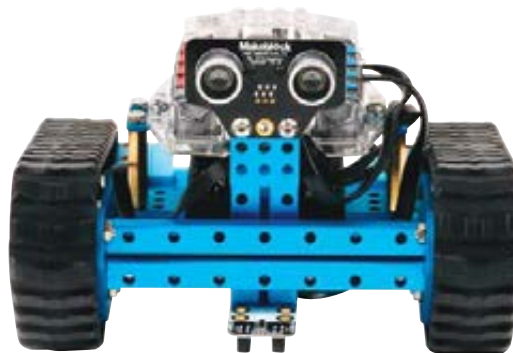
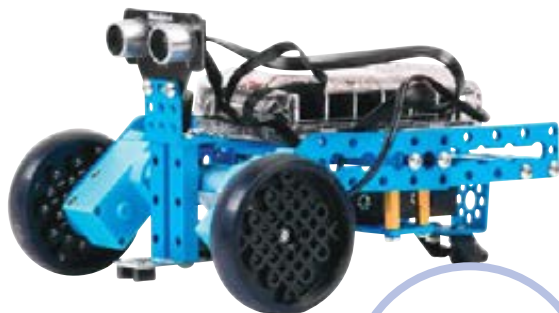
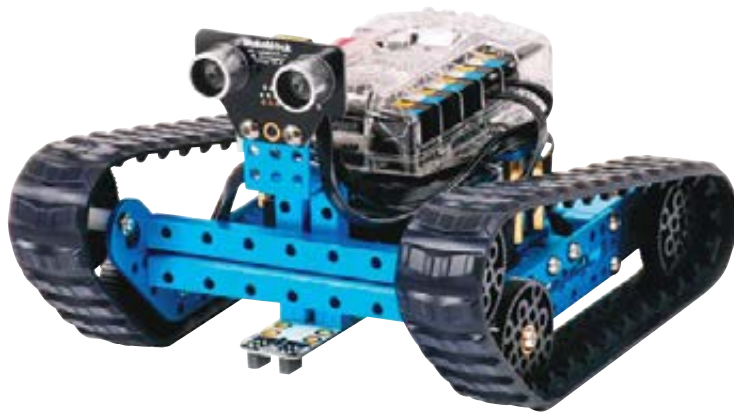
Curriculum Links: ACTDEK013/20/23/31/34/46

- ACTDEP014/15/16/18/25/26/28/35/36/37/38/39/49 - ACTDIK007/14

- ACTDIP010/11/17/19/20/22/27/29/30/40/41



mBot Ranger Robot Kit is a three-in-one STEM educational robot kit, which supports 3 building forms: robot tank, three-wheel racing car, and a self-balance car. Program & Control mBot Ranger via iPad, tablets, or laptop to start your exploration! Fine ready-to-use projects built-in the Makeblock HD app for immediate fun and play. mBot Ranger is fully compatible with mBlock to program on your PC or program from your iPad and tablets with an easy-to-use app – Makeblock HD.



Set of 10
\$3,099⁹⁵
 SAVE \$299.55



Makeblock - mBot Ranger - STEM Robot

MB90092	Each	\$339.95
MB90092-5	Set of 5	\$1,599.95
MB90092-10	Set of 10	\$3,099.95

The mBot Ranger comes with the Me Auriga mainboard based on open-source Arduino Mega 2560. It provides not only 6 on-board sensors, but also 10 extension ports that enables you to add more motors and sensors when needed.

Key Features

- Input: 6 x sensors: Light sensor, ultrasonic sensor, line follower, gyroscope, temp sensor, and sound sensor
- Output: buzzer, 12 LED lights, 2 motors
- Me Auriga main board with 10 ports, supporting DC motors, stepper motors, servo motors, smart servos, encoder motors, etc. (4 ports supporting up to 3.5A output, 6 ports supporting 5V 2.4A output)
- Compatible with Arduino Ide and RJ25 ports
- Supports Bluetooth and Bluetooth upgrade firmware



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Ultimate Bot 2.0

Complexity: Higher-intermediate to advanced

Extendibility: Fully compatible with Makeblock platform

Programming Language/Software: mBlock, Makeblock HD, Arduino, Python, Scratch

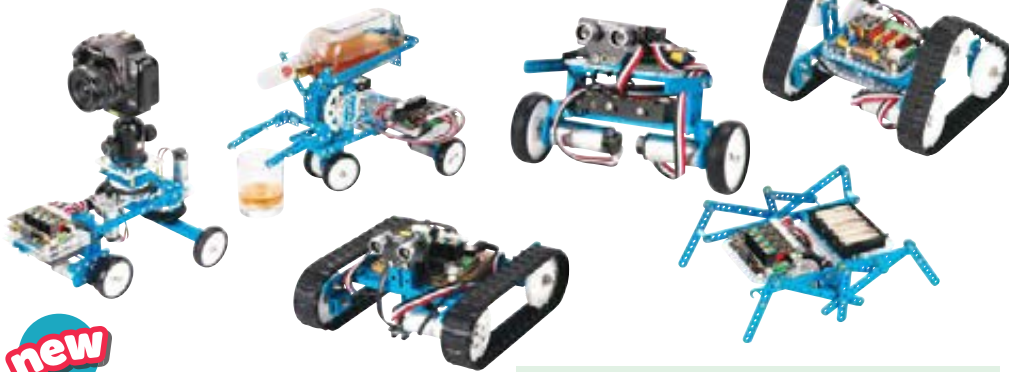
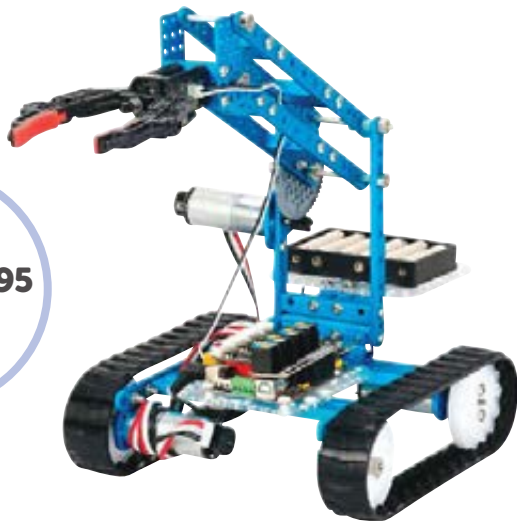
Compatibility: Apple tablets: iOS 7.0 or later, Android tablets/phones: Android 3.0 or later, PC and Mac

Age Group: 10+ years

Curriculum Links: ACTDEK013/20/23/31/34/46 -
ACTDEP014/15/16/18/24/25/26/28/35/36/37/38/39/48/49/50 -
ACTDIK007/14 - ACTDIP010/11/17/19/20/27/29/30/40/41

Ultimate Bot 2.0 is a flagship robot kit based on Makeblock platform with rich features and strong compatibility. Whether you are an enthusiast of Raspberry Pi or Arduino, a mechanical or electronics engineer, a teacher, or a student, it helps you learn the knowledge of mechanical structures, electronic modules and programming skill with ease.

Set of 10
\$8,199⁹⁵
SAVE \$199.55



Ultimate 2.0 - 10-in-1 Robot Kit

MB90040	Each	\$839.95
MB90040-5	Set of 5	\$4,099.95
MB90040-10	Set of 10	\$8,199.95

The Ultimate 2.0 is powered by the MegaPi, a small but powerful mainboard based on Arduino MEGA 2560. It has 6 function areas, which can be connected with modules to realise wireless communication or drive various motors. It can be used to build various robots, such as 3D printer and other robotic projects. The Ultimate 2.0 can be programmed with PC or tablet. Great for learning robotics, electronics, graphical programming, Arduino programming and Python programming.

Electronic modules included

- 1x MegaPi
- 1x MegaPi Shield for RJ25
- 1x Bluetooth Module
- 4x Motor Driver
- 3x Encoder Motor
- 1x Ultrasonic Sensor
- 1x Line Follower Sensor
- 1x 3-Axis Accelerometer and Gyro Sensor
- 1x RJ25 Adapter
- 1x Shutter
- 1x Makeblock Gripper

Key Features

- Build 10 different models with Ultimate 2.0
- Powered by MegaPi, supports programming with Arduino IDE.
- One Raspberry Pi switch interface (requires manual soldering)
- Wireless communication interface for adding Bluetooth module or 2.4G module
- Ten servo interfaces, capable of driving 10 servos or 8 DC motors simultaneously
- Two high-power MOS driver interface which are able to drive devices with a maximum current of 10A
- Three powerful encoder motors enable you to feel every step of the robot
- Wirelessly control your robot with smart devices through Bluetooth connection.



Inventor Electronic Kit

MB94004 Each \$229.95

The Makeblock Inventor Electronic Kit is a modular electronic platform for quick prototyping. This kit contains 12 sensors and actuators, each with a colour-coded connector to simplify wiring. Each module comes with Arduino library for quick programming.

Electronic modules included

- 1x Me Bluetooth Module (Dual Mode)
- 1x Me Sound Sensor
- 1x Me RJ25 Adapter
- 1x Me Ultrasonic Sensor
- 1x Me 7-segment display-Red
- 1x Me RGB LED
- 1x Me Temperature Sensor
- 1x Me Light and Grayscale Sensor
- 1x Me Joystick
- 1x Me Orion
- 1x Me Potentiometer
- 1x Me PIR Motion Sensor
- 1x Me 130 DC Motor Pack

Key Features

- 12 electronic modules included, plus one Makeblock Orion (Arduino-compatible)
- Graphic programming languages support (MIT Scratch and Ardublock)
- Easy and intuitive wiring with colour-coded RJ25 connector
- Bluetooth module included to connect to tablets

new



Me Ultrasonic Sensor

MB11001 Each \$36.95

Measure distance in the range of 3cm to 400cm, or use for obstacle avoidance.

new

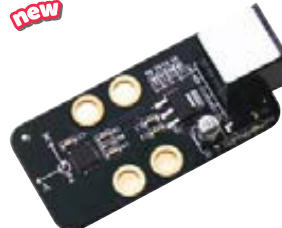


Me RJ25 Adapter

MB13801 Each \$7.50

Converts the standard RJ25 port into 6 pins (VCC, GND, S1, S2, SDA, and SCL) to make them compatible with electronic modules from other manufacturers, such as temperature sensors and servo modules.

new



Me 3-Axis Accelerometer and Gyro Sensor

MB11012 Each \$36.95

Ideal module for motion and posture detection of robot. Includes a 3-axis accelerometer, a 3-axis angular velocity sensor, and a motion processor.

new



MEDS150 Servo Motor

MB80802 Each \$59.95

The servo motor has a counter-clockwise pulse with 210° rotation angle. Brackets for servo motor sold separately.

new



Brackets for Servo Motor

MB62208 Each \$14.95

Made from aluminium, 2mm thick, anodised surface. Compatible to MEDS150 Servo. 4 M4x8 Screw included.

new



Me Light Sensor

MB11007 Each \$12.50

Detect the intensity of ambient light.

new



Me Sound Sensor

MB11008 Each \$12.50

Detect ambient sound intensity.

new

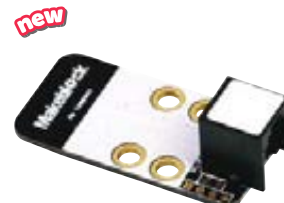


Me WiFi Module

MB13020 Each \$37.95

Communicate with a PC or smartphone/tablet via WiFi or create a WiFi hotspot.

new

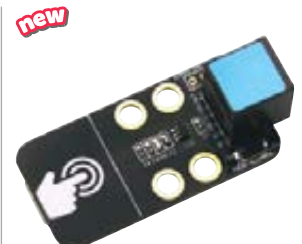


Me Digital Compass

MB11024 Each \$19.95

Detect the intensity of surrounding magnetic fields and make the moving device or equipment rotate to a specified direction.

new



Me Touch Sensor

MB11020 Each \$15.95

The touch sensor is triggered by finger touch.

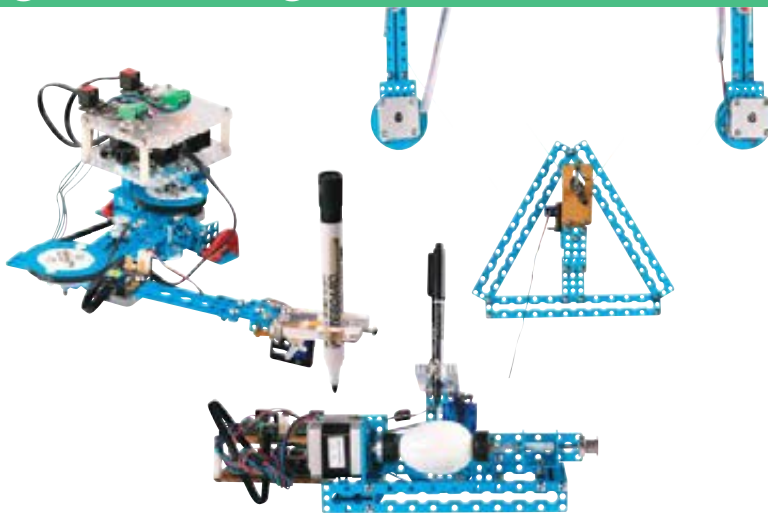


Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Resources for Digital & Design Technologies 2017

new



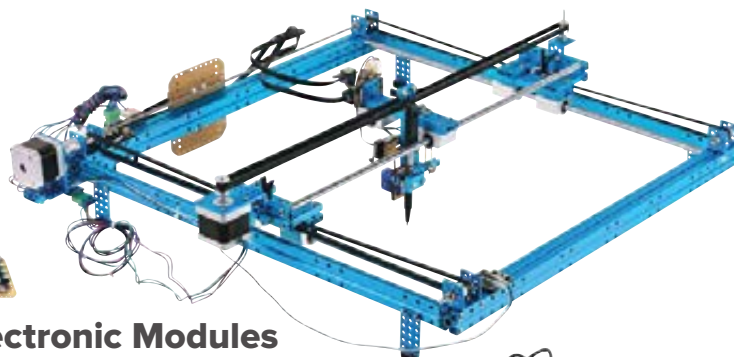
mDraw Robot
MB90070 \$399.95

mDrawBot is the world's most fully-featured four-in-one drawing robot. It can be assembled into 4 different configurations: mScara, mSpider, mEggBot, and mCar. This kit consists of over 60 components from Makeblock, including beams, brackets, motors, etc. It also comes with a specially-designed software named mDraw to control these robots.

Key Features

- is a SCARA (Selective Compliance Articulated Robot Arm) driven by stepper motors. Add a pen to draw pictures on a flat surface.
- mSpider can draw pictures on a wall or whiteboard and uses two stepper motors to control the movement of spider through strings.
- mEggBot is designed to draw on objects that are improbable to print on, like an egg or a pingpong ball.
- mCar is a three-wheel car with two stepper-motor-driven wheels and a ball-bearing wheel, which draws its own movements with a pen on a flat surface.
- Supported OS: Windows7 or later
- Main Controller: Makeblock Orion (Arduino UNO compatible)

new



XY Plotter with Electronic Modules

MB90014K \$529.95

XY Plotter Robot Kit is a drawing robot that can move a pen or other instrument to draw digital artwork on a flat surface. It can also be developed into a laser engraver by adding the Laser Engraver Upgrade Pack (MB98004). This kit consists of over 60 kinds of components from Makeblock, including beams, brackets, motors, etc.



Laser Engraver Upgrade for XY Plotter

MB98004 \$229.95

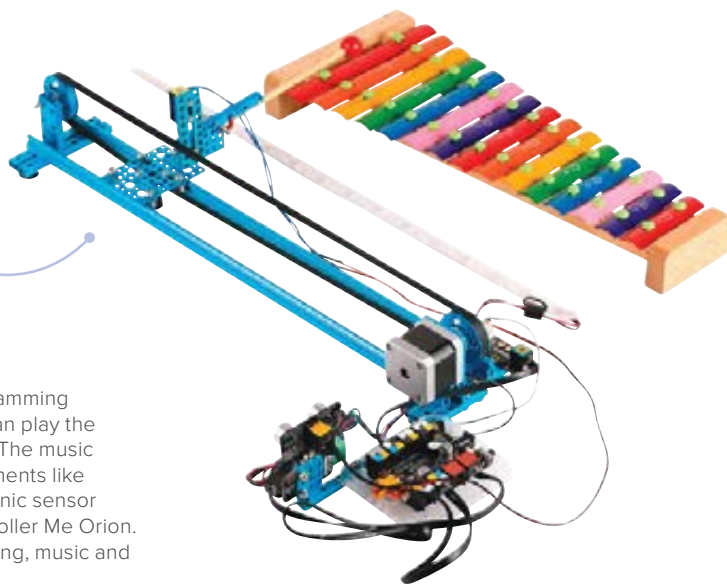
Key Features

- XY Plotter V2.0 can be controlled by 2 types of software, mDraw (Windows and Mac) and Benbox (currently only Windows compatible)
- Main controller: Makeblock Orion (Arduino UNO compatible)

WARNING for the laser engraver upgrade: No direct eye-contact with the laser light path. Keep it away from children and other people who are not familiar with laser usage and only use with adult supervision. Pay attention when you're operating the blue-violet laser. MAKE SURE to wear the goggles to avoid any dangers.

new

Introduce coding to your music lessons palette



Music Robot Kit 2.0

MB90010K \$369.95

Combine music classes with programming and coding! The Music Robot Kit can play the xylophone in three different ways. The music robot includes lots of different elements like motors, pulleys, timing belt, ultrasonic sensor and is controlled by the main controller Me Orion. Students will learn about engineering, music and robotics all in one set!

Key Features

- Use one of the three methods to play music on the xylophone:
1. Use the ultrasonic sensor to measure the distance and let the xylophone play the corresponding tone.
 2. Play pre-programmed tunes (or program your own to play).
 3. Use the PC software by either using the mouse, keyboard or key in a formula in the play field of the software.

Build students' confidence to ask questions and solve problems

LEGO® Education WeDo 2.0 Curriculum Solution

LEG45300 **\$269.95**



This set is based upon the latest science standards and was created to enhance students' curiosity and science skills. The set is delivered in a storage bin along with sorting trays, labels, a Smarthub, a Medium Motor, Motion Sensor a Tilt Sensor and enough building elements for two students. The accompanying desktop and tablet supported software provides an easy-to-use programming environment and includes the WeDo 2.0 Curriculum Pack, which covers life, physical, earth and space sciences, as well as engineering. The accompanying eLearning program helps teachers to become confident users of the WeDo 2.0 Core Set.



Solution includes

- WeDo 2.0 Core Set 1
- WeDo 2.0 Software & Curriculum Pack* www
- WeDo 2.0 eLearning* www

A captivating science teaching solution

What's included in the Curriculum Solution?

<h3>Core Set ✓</h3> <p>Containing the LEGO® bricks and technology elements needed to make elementary students motivated and make science projects come to life.</p>						
<h3>Curriculum content ✓</h3> <p>Real life projects based on national standards to develop students practices within science, including engineering, technology and computing.*</p>	<h3>Teaching software ✓</h3> <p>Intuitive software including integrated curriculum content, easy drag and drop programming and teachers guide.*</p>	<h3>Assessment tools ✓</h3> <p>Project integrated assessment grids and rubrics for both teacher and student led assessment.*</p>	<h3>eLearning program ✓</h3> <p>Five eLearning modules to give full teaching support from implementation to activation.*</p>	<h3>Technical support ✓</h3> <p>Ongoing telephone and online support to help you with any questions.</p>	<h3>Community ✓</h3> <p>Access to the LEGO Education community of teachers for additional ideas, tips and new connections.</p>	

What can I add on?

<h3>Complementary products ✓</h3> <p>Rechargeable power add-on solution for easy battery management is available to supplement the WeDo 2.0 solution.</p>	<h3>Training and professional development ✓</h3> <p>Check our Professional Learning calendar on teaching.com.au to find training near you.</p>	<h3>Replacement Packs ✓</h3> <p>The ideal way to replace key LEGO elements for the WeDo 2.0 sets.</p>
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*Available for free download from LEGOeducation.com/downloads

Classroom Solutions

WeDo 2.0 Curriculum Solution Packs

WeDo 2.0 Curriculum Solution
LEG45300



WeDo 2.0 Add-On Power Pack
LEG54838



MTA Storage System Single
SUN8316

3rd Party Product **exclusive** **NEW**



MTA Storage System Double
SUN8326

3rd Party Product **exclusive** **NEW**



LEG45300-2K 4 students	\$499.95 SAVE \$39.95	2		
LEG45300-2KP 4 students	\$799.95 SAVE \$35.75	2	2	
LEG45300-3K 6 students	\$749.95 SAVE \$59.90	3		
LEG45300-3KP 6 students	\$1,169.95 SAVE \$83.60	3	3	
LEG45300-5K 10 students	\$1,229.95 SAVE \$119.80	5		
LEG45300-5KP 10 students	\$1,939.95 SAVE \$149.30	5	5	
LEG45300-5KS 10 students	\$1,329.95 SAVE \$169.75	5		1
LEG45300-5KPS 10 students	\$2,039.95 SAVE \$199.25	5	5	1
LEG45300-8K 16 students	\$1,929.95 SAVE \$229.65	8		
LEG45300-8KP 16 students	\$2,999.95 SAVE \$342.85	8	8	
LEG45300-8KS 16 students	\$2,079.95 SAVE \$299.60	8		1
LEG45300-8KPS 16 students	\$3,149.95 SAVE \$412.80	8	8	1
LEG45300-12K 24 students	\$2,879.95 SAVE \$359.45	12		
LEG45300-12KP 24 students	\$4,499.95 SAVE \$514.25	12	12	

Classroom Solutions

WeDo 2.0 Curriculum Solution Packs

WeDo 2.0 Curriculum Solution
LEG45300



WeDo 2.0 Add-On Power Pack
LEG54838



MTA Storage System Double
SUN8326

3rd Party Product **exclusive** **NEW**



MTA Storage System Triple
SUN8336

3rd Party Product **exclusive** **NEW**



LEG45300-12KS 24 students	\$3,029.95 SAVE \$429.40	12		1	
LEG45300-12KPS 24 students	\$4,649.95 SAVE \$584.20	12	12	1	
LEG45300-15K 30 students	\$3,579.95 SAVE \$469.30	15			
LEG45300-15KP 30 students	\$5,599.95 SAVE \$667.80	15	15		
LEG45300-15KS 30 students	\$3,779.95 SAVE \$549.25	15			1
LEG45300-15KPS 30 students	\$5,799.95 SAVE \$747.75	15	15		1

MTA Storage Systems suitable for WeDo 2.0

MTA Storage Systems & Trays

exclusive

NEW

SUN8316 **\$149.95**

3rd Party Product

SUN8326 **\$219.95**

3rd Party Product

SUN8336 **\$279.95**

3rd Party Product

These MTA exclusive storage systems have been designed to organise your LEGO® Education Storage tubs. Each unit comes with the option of castors or adjustable feet for static storage.

SUN8316 – Single Storage.

Holds 7 WeDo 2.0 trays.

SUN8326 – Double Storage.

Holds 14 WeDo 2.0 trays.

SUN8336 – Triple Storage.

Holds 21 WeDo 2.0 trays.

SUN8316



SUN8326

Compatible with
LEGO® Education
Storage Tub



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Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Resources for Digital & Design Technologies 2017

Prepare your students for tomorrow's jobs



LEGO® MINDSTORMS® Education EV3 Curriculum Solution

LEG45544-1 **\$629.95**



This set contains everything you need to start teaching STEM and computer science using the exciting LEGO® MINDSTORMS® concept. It offers full teacher support, including STEM and computing teaching materials, and a comprehensive eLearning program.

The system includes the Intelligent EV3 Brick, a compact and powerful programmable computer that makes it possible to control motors and collect sensor feedback using the intuitive icon-based programming and data logging software that is delivered with the set.

The set is delivered in a sturdy storage bin with a sorting tray, three Servo Motors, five Sensors (Gyro, Ultrasonic, Colour and 2x Touch), a Rechargeable Battery, connecting cables and Building Instructions. Battery charger (LEG8887) is required and sold separately.

Solution includes

- LEGO MINDSTORMS Education EV3 Core Set 1
- EV3 Software and App* [Download] [www]
- EV3 Design Engineering Projects Curriculum* [www]
- EV3 Coding Activities* [www]
- EV3 eLearning* [www]

How to get ahead in STEM learning

The LEGO MINDSTORMS Education EV3 motivates students to design, build and program robots using motors, sensors, gears, wheels, axles and other technical components, to gain a better understanding of how technology works in real-world applications.

The solution enables students to understand and interpret two-dimensional drawings to create three-dimensional models; build, test, troubleshoot and revise designs; apply maths and science concepts on real-life applications; and master programming and data logging functions.



Classroom Solutions

EV3 Curriculum Solution Packs

LEGO Education EV3 Curriculum Solution
LEG45544-1



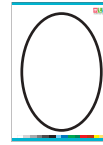
Battery Charger
LEG8887



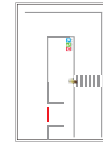
Multi-Charger
WLMC01



Robotics Training Mat
ROB014



Robotics Challenge Mat
ROB15



MTA Storage System Double
SUN8327



MTA Storage System Triple
SUN8337



Product Code / Student Count	LEGO Education EV3 Curriculum Solution	Battery Charger	Multi-Charger	Robotics Training Mat	Robotics Challenge Mat	MTA Storage System Double	MTA Storage System Triple
LEG45544-1K 2-3 students	\$649.95 SAVE \$37.95	1	1				
LEG45544-4 8 students	\$2,599.95 SAVE \$253.60	4	4	1			
LEG45544-4S 8 students	\$2,809.95 SAVE \$283.45	4	4	1		1	
LEG45544-5 10 students	\$3,249.95 SAVE \$291.50	5	5	1			
LEG45544-5S 10 students	\$3,399.95 SAVE \$381.35	5	5	1		1	
LEG45544-6 12 students	\$3,889.95 SAVE \$339.40	6	6	1			
LEG45544-6S 12 students	\$4,039.95 SAVE \$429.25	6	6	1		1	
LEG45544-8 16 students	\$4,999.95 SAVE \$461.55			1	1		
LEG45544-8S 16 students	\$5,199.95 SAVE \$571.35			1	1		1
LEG45544-10 20 students	\$6,239.95 SAVE \$481.45			1		1	
LEG45544-10S 20 students	\$6,539.95 SAVE \$661.15			1		1	2
LEG45544-12 24 students	\$7,399.95 SAVE \$901.30			2		1	
LEG45544-12S 24 students	\$7,699.95 SAVE \$1,081.00			2		1	2
LEG45544-15 30 students	\$9,199.95 SAVE \$991.15			2		1	
LEG45544-15S 30 students	\$9,599.95 SAVE \$1,210.75			2		1	2



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LEG45544-10CS

Classroom Solutions

EV3 Curriculum Solution Packs

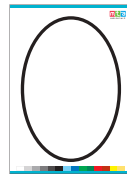
LEGO® Education EV3 Curriculum Solution
LEG45544-1



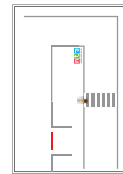
Battery Multi-Charger
WLMCD1



Robotics Training Mat
ROB014



Robotics Challenge Mat
ROB15



EV3 Expansion Set
LEG45560



MTA Storage System Triple
SUN8337



Product Code	Students	LEGO Curriculum Solution	Battery Multi-Charger	Robotics Training Mat	Robotics Challenge Mat	EV3 Expansion Set	MTA Storage System Triple
LEG45544-8C 16 students SAVE \$581.35	8	1	1	1	1	4	
LEG45544-8CS 16 students SAVE \$800.95	8	1	1	1	1	4	2
LEG45544-10C 20 students SAVE \$581.20	10	1	1	1	1	5	
LEG45544-10CS 20 students SAVE \$800.80	10	1	1	1	1	5	2
LEG45544-12C 24 students SAVE \$1,122.95	12	2	2	1	1	6	
LEG45544-12CS 24 students SAVE \$1,342.55	12	2	2	1	1	6	2
LEG45544-15C 30 students SAVE \$1,652.70	15	2	2	1	1	8	
LEG45544-15CS 30 students SAVE \$2,182.10	15	2	2	1	1	8	3

Classroom Solutions

Space Challenge Packs

LEGO® Education EV3 Curriculum Solution
LEG45544-1



EV3 Space Challenge Set
LEG45570



Battery Charger
LEG8887



<p>LEG45570-3 \$969.95 SAVE \$109.90</p>			3	
<p>LEG45570-6 \$1,899.95 SAVE \$259.75</p>			6	
<p>LEG45544-SP4 8 students \$3,229.95 SAVE \$241.55</p>	4		2	4
<p>LEG45544-SP8 16 students \$6,399.95 SAVE \$543.05</p>	8		4	8

Classroom Solutions

Science Activity Add-on Packs

LEGO Education EV3 Curriculum Solution
LEG45544-1



Temperature Sensor
LEG9749



Renewable Energy Add-on Set
LEG9688



Battery Charger
LEG8887



<p>LEG9688-T1 \$259.95 SAVE \$27.95</p>			1	
<p>LEG9688-T4 \$999.95 SAVE \$151.65</p>			4	
<p>LEG9688-T8 \$1,999.95 SAVE \$303.25</p>			8	
<p>LEG45544-RE4 8 students \$3,599.95 SAVE \$303.25</p>	4	4	4	4
<p>LEG45544-RE8 8 students \$6,999.95 SAVE \$806.45</p>	8	8	8	8



Free Freight

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Edison

Complexity: from beginners to complex
 Extendibility: Add LEGO® to build bigger and more complex models

Programming Language/Software: EdBlocks, EdWare and EdPy

Compatibility: Windows, Mac, Linux, iOS (iPad) and Android

Age Group: 6+ years

Curriculum Links: ACTDEP006/8/14 - ACTDIK001
 - ACTDIP004/10/11/15/16/17/20/26/37/41

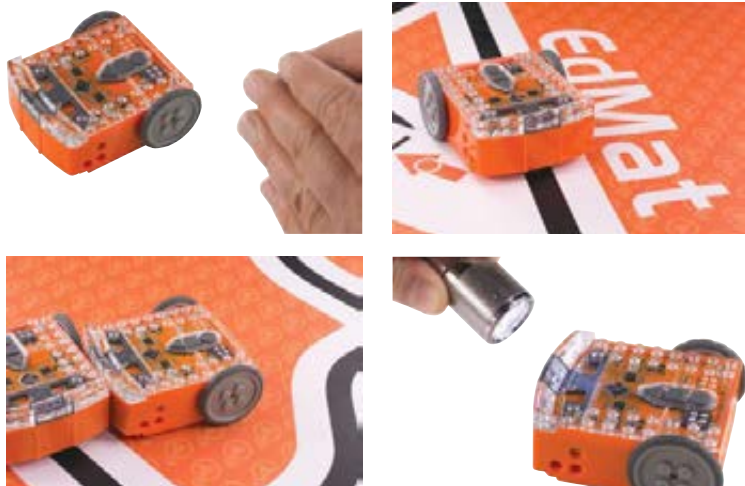


Set of 5
\$329⁹⁵
 SAVE \$44.80

Edison Robot v2

EDM001V2	Single Robot	\$74.95
EDM001V2-2	Set of 2	\$139.95
EDM001V2-3	Set of 3	\$199.95
EDM001V2-5	Set of 5	\$329.95

Edison is well equipped with sensors and actuators for teaching educational robotics.



Edison is an affordable robot for learning and inventing. It is LEGO compatible and easy to program. Download the free software, lesson plans, EBooks and floor mats online and get started straight away! Edison can be controlled in three ways: by driving over barcodes that activate pre-programmed functions, by TV/DVD remote control, or by programming from a computer or tablet. Edison can be programmed with three different platforms for stepped learning.



What's new?

Precision driving

Edison now has wheel encoders, allowing Edison to travel specific distances at exact speeds and turn to specified angles and drive straight.

Improved performance

Edison's obstacle detection is now more precise and can be calibrated. The battery life is longer and Edison can now be awoken by just pressing the triangle button. Edison also has a more sensitive clap sensor.

Resilience

Edison's new clutch system prevents damage to the internal gears even under the most aggressive punishment.

Stepped learning

Edison will be programmable from three different platforms aimed at: basic, intermediate, and advanced learners.

- EdBlocks, a 'scratch-like' platform for Edison, based on a collection of graphical 'programming blocks' children snap together to create programs.
- EdWare, our graphical robot programming software, will be maintained. EdWare is now available for Windows, Mac, Linux, iOS (iPad), Android, Chromebook, and as an online app.
- EdPy is designed to extend Edison's functionality and teach higher level programming concepts. Edpy will maximise the use of Edison's encoders and it will give our users superior control of Edison.

Robot sensors

- Left and right infrared obstacle detection – Navigate through a maze and avoid collisions
- Left and right light sensors – Follow a torch/flash light or find a dark corner
- Clap detector – Sense loud sounds such as claps to control driving
- Line tracking sensor – follow lines and stay within borders

Lights, sound and action

- Left and right red LED lights – Flash the LED lights to add a cool look
- Buzzer – Gives sound feedback and can play musical notes
- Two motors with encoders – Drive Edison or use the LEGO cross axles to power a new invention

Robot communications

- Infrared receiver – Remote control from a standard TV/DVD remote control
- Infrared LEDs – Transmit messages and control commands to another Edison robot
- Infrared receiver – Receive messages and control commands from another Edison robot

Multifunction line tracking sensor

Edison's line tracking sensor has three functions:

1. Detect lines – Contrast between black and white surfaces
2. Read barcodes that activate pre-programmed functions
3. Receive the programming signal from EdWare via the EdComm cable

LEGO compatibility

Edison has been designed as a modular robotics system that is easily expandable using LEGO® bricks. Two or more Edisons can be connected together.

Software

Edison is programmed using EdBlocks, EdWare or EdPy. The software is free and open source and works on Windows, Mac and Linux computers and iOS, Android and Chromebook. For full compatibility and more information about the software, please refer to our website.



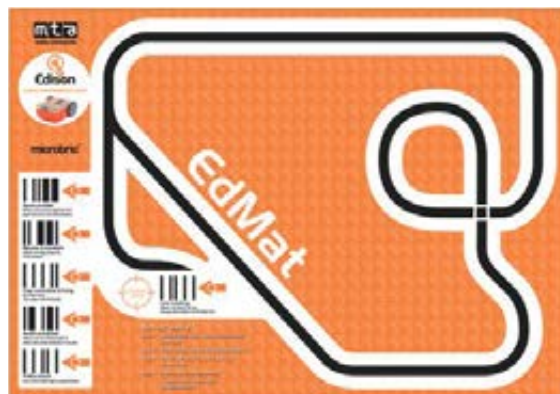
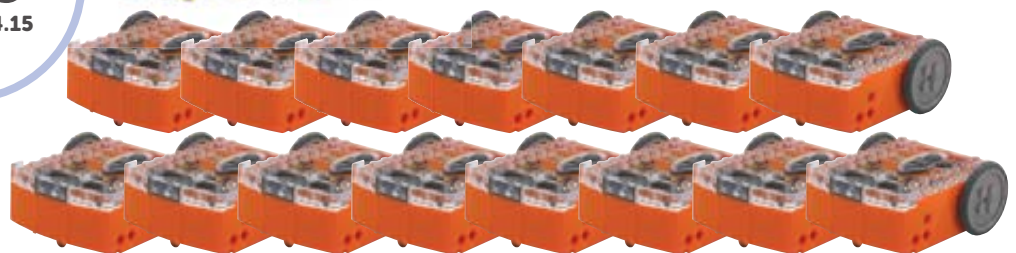
new

~~\$1,474.10~~
\$1,249⁹⁵
SAVE \$224.15

Edison & LEGO® Kit

EDM001-V2K
15 Edison Robots & LEGO Bricks
\$1,249.95

Start building bigger and more complex models! This kit includes 15 Edison robots and a wealth of LEGO bricks: The LEGO Creative Brick Set - 1000pc (LEG5020), the LEGO Scenery Set - 1207pc (LEG9385) and the LEGO Wheels Set - 286pc (LEG9387).

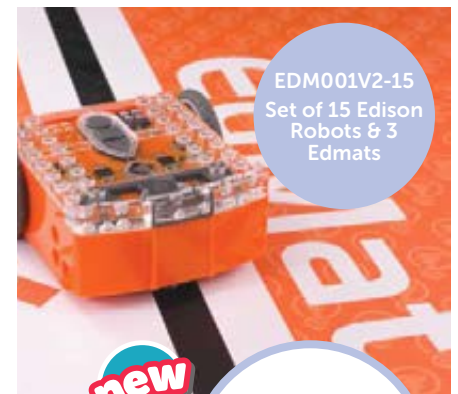


EdMat – Edison Robotics Activity Mat A1 Size
EDM002M \$57.95

The EdMat is an A1 size (59 x 84cm) robot activity mat and has 6 barcodes that activate Edison's pre-programmed features and a track for Edison to follow. The track can also be used for 'bounce in borders' and 'sumo wrestling'.



EDM001V2-10
Set of 10 Edison Robots & 2 Edmats



EDM001V2-15
Set of 15 Edison Robots & 3 Edmats

new

Set of 15 & 3 Edmats
\$1,129⁹⁵
SAVE \$168.15

Edison Robot Kits

EDM001V2-10 Set of 10 & 2 Edmats \$799.95
EDM001V2-15 Set of 15 & 3 Edmats \$1,129.95

These packs are ideal for use with bigger groups of students. EDM001V2-10 includes 10 robots and one EdMat, EDM001V2-15 includes 15 robots and 2 EdMats.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Humanoid Robot

Complexity: Intermediate to advanced

Extendibility: Add customised parts in combination with the 3D printers from XYZ

Programming Language/Software: Arduino 1.0.6 and XYZrobot Editor

Compatibility: please refer to our website

Age Group: 8+ years

Curriculum Links: ACTDEK013/20/23/31/34/46 -

ACTDEP014/15/16/18/24/25/26/28/35/36/37/38/39/48/49/50/52 -

ACTDIK007/14 - ACTDIP027/29/30/40/41



Imagination without limitation. This humanoid Bolide has 18 degrees of freedom to mimic human movements. Use the XYZrobot editor to capture and sequence Bolide positions or program your own using Arduino. Whilst this model Bolide comes fully assembled it is possible to customise the robot by designing and printing your own parts using the XYZ 3D printer (not included and sold separately).



Humanoid Robot - XYZ Bolide

MTT0037 Each \$1,499.95

This fully assembled Humanoid Robot allows you to start experimenting with movement programming and 3D printable customisations right out of the box. This is for those who want to skip the tinkering and dive right into the operation.

Specifications

- Servo Motor: XYZ A1-16 motor x18pcs, Torque: 25kg-cm at 12V
- Main Controller: ATmega1280
- Dimensions: 40.7(H) x 14.1(W) x 23(D)cm
- Sensors: G-sensor, DMS
- Remote control: Bluetooth 4.0/ Bluetooth 4.1 stack
- Programming Key: 4 buttons
- AC Adapter: 12V, 7.5A
- Motion-editing software: XYZrobot Editor 1.0
- Speaker: 2W
- Chest LED Module Colour: RGB
- Eye LED Colour: GB
- Includes rechargeable battery and joystick

Key Features

- 18 smart servo motors (max. torque 25kg-cm) to mimic precise human movements. It transmits data on temperature, speed, and position and includes four colour LEDs to quickly and easily monitor servo motor status
- Built-in accelerometers and IR distance sensors allow Bolide to be aware of its centre of balance as well as its surrounding
- Accelerometer sensor: Falling down detection
- 3D printable parts to create your unique robot (in combination with 3D printer from XYZ, not included)
- Use Arduino 1.0.6 and the XYZrobot Editor to take full control of your Y-01 Bolide's movements and actions
- Control your Bolide with a remote control and the XYZrobot APP for Android and Apple smartphone and tablet devices
- Free downloadable motion scripts on XYZrobot's official website

Three methods of operation:

- Four programmable buttons on the back for movements and audio files (when MicroSD card is used).
- Bluetooth 4.0 LE remote control (use the pre-programmed controls or create your own).
- Control Bolide with your smartphone by downloading the special APP.

littleBits

Complexity: From beginners to intermediate

Extendibility: Add art and craft resources to create an endless variety of models

Programming Language/Software: N/A (Arduino Coding Kit works with Arduino)

Age Group: 8+ years

Curriculum Links: ACTDEK004/13/20/23 - ACTDIK001/7/14 - ACTDEP007/16/26/37 - ACTDIP011/17/20

littleBits®

Bring your STEAM lessons to life and electrify your lessons! littleBits consists of tiny circuit-boards with specific functions engineered to snap together with magnets. No soldering, no wiring, no programming, just snap together for prototyping, learning and fun. Each bit has a specific function (light, sounds, sensors, buttons, thresholds, pulse, motors, etc.) and modules snap to make larger circuits.



LittleBits STEAM Class Kit

LIB847K \$699.95

This kit includes everything you need to get creative with littleBits. Not only does this kit include the littleBits STEAM Student Set (LIB847), but also a wealth of craft resources and tools to create to most artistic models.

Includes:

- littleBits STEAM Student Set (LIB847)
- Styrofoam Half Balls 6.5cm - Pack of 24 (SH880)
- Polystyrene Balls 6cm - Pack of 25 (CL5428)
- Balsa Wood Box Assorted Sizes 3kg (ATM10801)
- Coloured Cardboard 200gsm A4 - Pack of 100 (CB350)
- Teachables Gluey Spots - Pack of 200 (TEB0700)
- Multicoloured Pipe Cleaners 30cm - Pack of 100 (SH1394)
- Feathers Long Coloured - Pack of 140 (CL6227)
- Rubber Bands 240 pcs (DM1032)
- Paddle Pop Sticks Coloured - Pack of 1000 (CL2328)
- Low Melt Glue Gun (TH120)
- Low Melt Glue Sticks 10cm - Pack of 10 (TH121)
- Joggle Eyes Assorted Container - Pack of 550 (TH321)
- Pom Poms Assorted Colours 25mm - Pack of 100 (SH1374)
- Coloured Petit Four Mini Patty Pans - Pack of 100 (A7165)
- Cardboard Tubes Assorted - Pack of 60 (TH981)



Bring STEAM learning to the classroom

littleBits STEAM Student Set

LIB847 \$499.95

Sets you up for 16+ hours of STEM/STEAM teaching with 8 engaging challenges, and additional companion lessons. The set comes with 19 bits, 45 accessories and a booklet. We walk you through every step with comprehensive lessons and guides. Students engage with electronics by completing 8 challenges that progress in difficulty, with 10 companion lessons for educators. With the inclusion of Art in STEM, students are empowered to think creatively and design and engineer solutions to real-world problems. Comes with a 120+ page teacher guide. Find the full specs on our website.



Free Freight

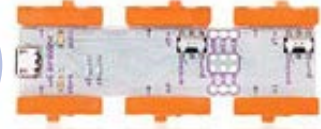
Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



A great way to get introduced to the world of the Arduino programming environment, without the breadboarding, soldering or wiring normally required.



Make your own Etch-a-Sketch™!



Includes Arduino module



littleBits Arduino Coding Kit
LIB606 \$259.95

This kit contains everything you need to get started with electronics and programming. Make your own Etch-a-Sketch™! Program a visual display! We'll walk you through the basics using the Arduino programming environment, without the breadboarding, soldering or wiring normally required. Modules included are a bargraph, button, power, fork, Arduino, battery & cable, 2 dimmers and a servo Bit, and 2 Mounting boards.

Includes:

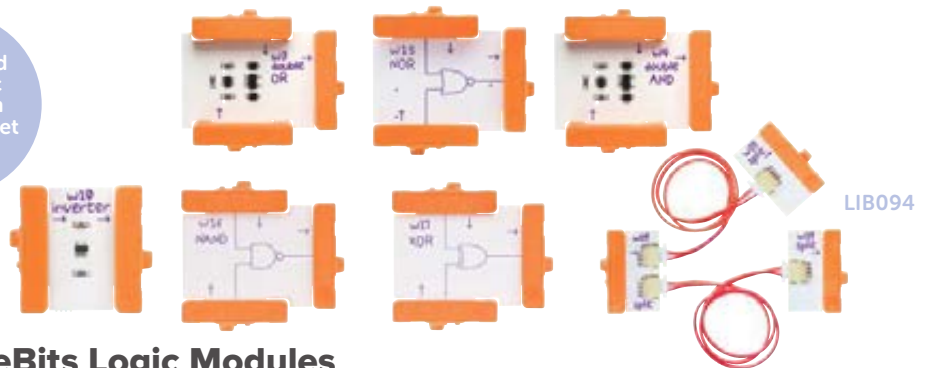
The kit includes everything you need to get started (battery + power included!) right out of the box.

- Build with 8 Getting Started sketches, including a DIY Etch-a-Sketch™, Mouse Control and hundreds more from Arduino's community!
- Communicate with software (Processing, MaxMSP, Flash, etc.)
- Snap modules easily to 3 inputs and 3 outputs on the Arduino module, as well as additional I/O for advanced hardware interaction
- Download the Arduino software for free from www.arduino.cc

Modules included:

- Double AND** - for projects in which you want two actions to trigger another
- Double OR** - when you want to detect two inputs but don't care which input is activated
- NAND** - when you need an output to go OFF when both inputs are triggered
- NOR** - when you want the output to be ON unless one or both of its inputs are triggered
- XOR** - for projects in which the activation requires input alternation
- Inverter** - use in combination with logic gates to change how the logic works. Place it after the output of a gate and change the logic completely. Place it before one input and change the logic going into the gate from that input.

Download the Logic Kit lesson plan booklet online!



littleBits Logic Modules

LIB800K	Set of 6 Modules	\$109.95
LIB820	Double OR Module	\$20.95
LIB821	Double AND Module	\$20.95
LIB824	Inverter Module	\$20.95
LIB825	NOR Module	\$20.95
LIB826	NAND Module	\$20.95
LIB827	XOR Module	\$20.95
LIB094	Split Wire	\$36.95

Logic modules create rules for your circuit to follow, enabling you to create more complex interactions. The logic modules should be used in combination with other littleBits modules like input, output and power modules (available on teaching.com.au). This kit consists of one of each of the 6 logic modules. Please note: The split wire (LIB094) is not included in the kit and sold separately.



littleBits Gizmos & Gadgets Kit
LIB680 \$429.95

The Gizmos & Gadgets Kit, 2nd Edition is the ultimate invention toolbox. It turns screen time into hands-on learning. The kit is bursting with motors, wheels, lights, servos - everything you need to spark creativity and fun. Start with step-by-step instructions to build fun DIY games, cars, gadgets and more. Then tilt, shake, or tap your phone to make them do tricks! Create a car and let your phone do the steering. Or a caterpillar that crawls with the tap of a tablet!

Key Features:

- 13 electronic building blocks, instructions for 16 inventions, 1 challenge, and all the accessories and tools you need to unleash the inventor within.
- 1 huge invention guide - get step-by-step instructions for inventions and challenges, plus ideas for spin-offs and totally new creations.
- Create inventions you control from a smartphone or tablet and turn screen time into hands-on learning.



littleBits Premium Kit – 14 Modules
LIB002 \$259.95

This set contains some of our absolute favourites, like the Slide Dimmer and the Servo Motor, so you can build the interactive creations you've been dreaming of. The Premium Kit is a sure-fire way to keep the creativity flowing! The set includes 14 littleBits modules.

Includes:

- Activity booklet
- 9V Battery + cable
- MotorMate
- Screwdriver
- Power module
- Slide dimmer module
- Pressure sensor module
- Roller switch module
- Sound trigger module
- Pulse module
- Vibration motor module
- Servo module
- 2 x Long LED module
- Fan module
- Branch module
- 2 x Wire module



Find out more online

Learn how to make a light controlled vehicle



littleBits Base Kit – 10 Modules
LIB001 \$199.95

A set of 10 of our colour-coded modules that snap together to create larger circuits. Start designing and prototyping your own interactive creations!

Includes:

- Activity booklet
- 9V battery and cable
- MotorMate
- Screwdriver
- Power module
- Button module
- Dimmer module
- Light sensor module
- 2 x Wire module
- Bright LED module
- Bargraph module
- DC motor module
- Buzzer module



Create internet-connected devices



littleBits Cloudbit Starter Kit
LIB608 \$249.95

This bundle includes the new cloudBit plus 5 other favourite prototyping modules; everything you need to create internet-connected devices in seconds. Recreate the most popular smart devices, use littleBits to prototype the next billion dollar idea, or invent a project that solves your own, unique problem.

Includes:

- CloudBit module
- USB powerBit
- ButtonBit
- Sound triggerBit
- Long LED
- ServoBit
- USB cable plus mounting board

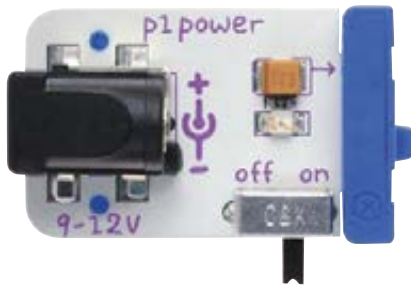
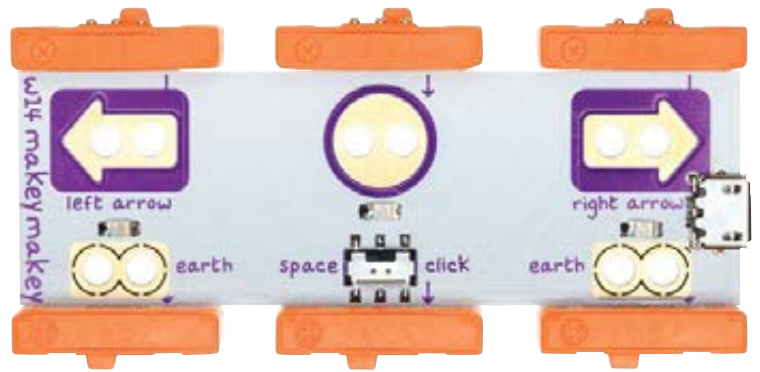




littleBits Makey Makey Module

LIB846 \$99.95

Now you can use everyday objects to trigger your Bits and control cursors on your computer's keyboard, or even control your computer with Bits. Make a touchpad out of ANYTHING by attaching alligator clips (4 are included) to the Makey Makey Bit. The module connects to a computer through a micro USB cable and has three Makey Makey inputs which are mapped to left arrow, right arrow, and space bar/mouse click. Each one of these key inputs can be controlled by littleBits modules like motion triggers or light sensors.



littleBits Power Module

LIB101 \$15.95

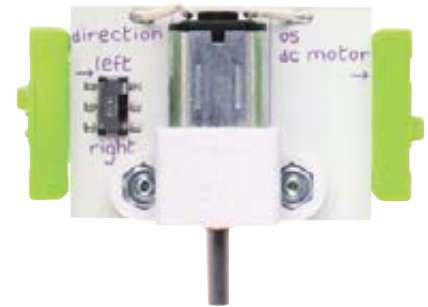
The power is the mother of all Bits modules! Just snap in the battery adapter that comes with it, flip the switch and you're ready to go. Includes: power Bits module, double-sided instruction card, and custom anti-static bag with resealable label.



littleBits Long LED Module

LIB202 \$26.30

The long LED is a great lighting module. We call it the "long" LED because the light is tethered to the board by a cable. This lets you put the light in some interesting places. Includes: long LED Bits module, double-sided instruction card and custom anti-static bag with resealable label.



littleBits DC Motor Module

LB205 \$39.95

The DC (or "Direct Current") motor rotates a shaft when you send it an ON signal. The left/right switch controls the direction of rotation. Try attaching various things to make windmills, cars, helicopters, and more. Includes: DC motor Bits module, double-sided instruction card and custom anti-static bag with resealable label.



littleBits Slide Switch Module

LIB301 \$26.30

The slide switch is a small and convenient switch! It's one of our easiest switches to use. Turn it on to power up your invention, and then turn it off when you are done. Includes: slide switch Bits module, double-sided instruction card and custom anti-static bag with resealable label.



littleBits Wire Module

LIB401 \$26.30

The wire allows you to physically separate your Bits modules. Try it whenever you need to break up your chain of modules, like when you need to put a light at the top of a model building. Includes: wire Bits module, double-sided instruction card and custom anti-static bag with resealable label.



littleBits 9V Battery & Cable

LIB512 \$10.95

This package contains a 9V alkaline battery and a cable to connect it to the power Bits module. Connect it up and then flip the switch to power all of your creations! Includes: 9V battery and 9V battery cable that connects to the power module, double-sided instruction card and custom anti-static bag with resealable label.

Makey Makey

Complexity: From beginners to intermediate

Extendibility: add any material that conducts a tiny bit of electricity. The extendibility is endless!

Programming Language/Software: No software required. Makey Makey works with any software that uses the keyboard or mouse

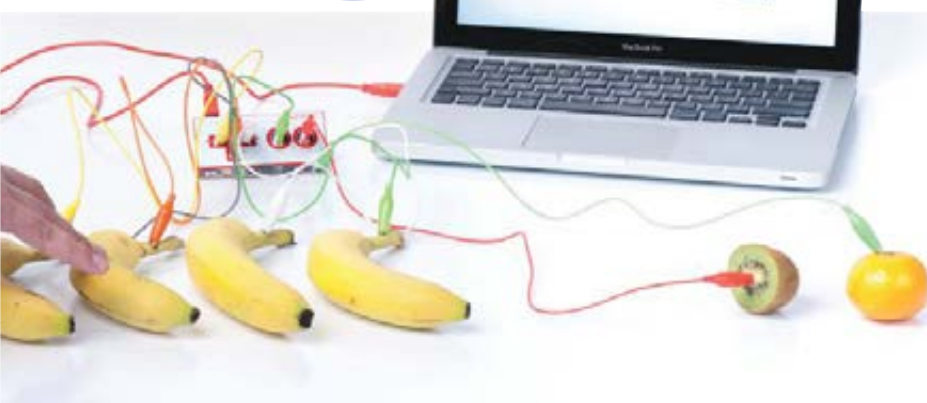
Age Group: 8+ years

Curriculum Links: ACTDEK004/11/13/20/23/3447 - ACTDIK001/14 - ACTDEP007/16/26/37 - ACTDIP011/18



Makey Makey, the invention kit for everyone, is a simple circuit board that lets you reprogram the world by connecting everyday objects to a computer. Play Mario on Play-Doh or Pianos on Bananas. Makey Makey lets you rewire the world! Warning: extended use may result in creative confidence.

Turn anything into a keyboard!



Set of 10
\$849⁹⁵
SAVE \$149.55



Makey Makey Classic

MKK001	Each	\$99.95
MKK001-5	Set of 5	\$459.95
MKK001-10	Set of 10	\$849.95

Makey Makey is an invention kit for the 21st century. Turn everyday objects into touchpads and combine them with the internet. It's a simple invention kit for beginners and experts doing art, engineering, and everything in between. You can connect up to 18 inputs to the Makey Makey (6 on the front and 12 on the back). Each set includes 1 Makey Makey, 7 Alligator Cables, USB Cord, 6 Connector Wires, 1 Tin Case, Stickers, and Instructions.

Key Features

- Turn everyday objects like bananas into touchpads
- Connect the world around you to your computer! Setup takes just seconds.
- Just plug, clip, and play. No programming knowledge needed.
- 1000s of possibilities. Draw your own game controller! Dance like never before!
- No software to install. Works with Mac and Windows
- 18 touch inputs
- Works with any material that can conduct at least a tiny bit of electricity
- Connects by USB



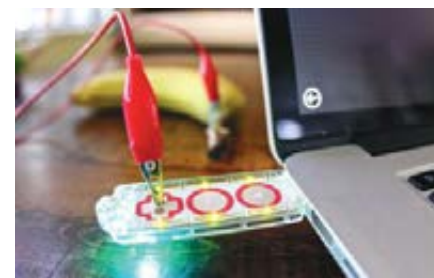
Makey Makey GO

MKK002	Each	\$49.95
MKK002-5	Set of 5	\$229.95
MKK002-10	Set of 10	\$399.95

Makey Makey GO allows today's tinkerers, dreamers, and makers the mobility to invent anytime, anywhere. Makey Makey GO enables you to invent on the go – and change the world – with the snap of an alligator clip, transforming everyday objects into Internet touchpads. The small size of the Makey Makey GO promises to inspire even more science, technology, engineering, and math (STEM) projects than the original! Just plug, clip, and play! No programming knowledge needed. No software to install. Works with Mac and Windows. Included: 1 USB Invention Stick, a case with magnet, 1 white alligator clip (2.5 ft), a keyring, and instruction guide.



Set of 10
\$399⁹⁵
SAVE \$99.55



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Drones

Complexity: Intermediate to advanced

Extendibility: Add CoDrone's accessories for additional programming fun

Programming Language/Software: Arduino IDE which uses C/C++, and additionally a custom CoDrone coding library.

Compatibility: Works on any device that can install Arduino. For a full list, please refer to our website.

Age Group: 12+ years

Curriculum Links: ACTDEK031/43/46 - ACTDIP027/29/30/40

codrone



The CoDrone is a tiny quadcopter drone you can easily program to do whatever you want: follow you, engage in laser battles, go through a maze and more. Whether you are brand new to drones and coding or you're a long-time drone lover, you will have a blast with the CoDrone.

CoDrone - Programmable Educational Drone

CDR001	Each	\$299.95
CDR001-5	Set of 5	\$1,399.95
CDR001-10	Set of 10	\$2,749.95

The CoDrone was developed specifically as a teaching tool for encouraging students to program. The simplified CoDrone library along with the internal stability and durability of the CoDrone make it the ideal classroom instrument.



Key Features

- Weight: 37 grams - safe to use around students
- Operating range: 500m
- Battery life: 8 minutes
- Battery charge time: 40 min
- Sensors included: IR sensors, Gyroscope: 3-axis gyroscope and 3-axis accelerometer for altitude control, Barometer Sensor: Assists with altitude control, Optical flow sensor for hovering
- Bluetooth 4.0 connectivity
- For indoor use only

Set of 10
\$2,749⁹⁵
SAVE \$249.55



CoDrone Class Pack

CRD001K Pack \$1,999.95

This Class Pack includes a set of 5 CoDrones (CDR001), 2 CoDrone Drive Kits (CDR004), 2 FPV Kits (CDR003), 2 Power Packs (CDR002), 3 replacement motor sets (CDR005), 3 replacement propeller sets (CDR006) and 3 replacement guard sets (DRN007).

~~\$2,243.00~~
\$1,999⁹⁵
SAVE \$243.05

new



Transform your drone into a Rover!



CoDrone Drive Kit
CDR004 **\$89.95**

Transform your drone to a Rover with the CoDrone Drive Kit! This kit has to be used in combination with the CoDrone (CDR001).

Kit includes

- 2 Wheels
- 2 Geared Motor Brackets
- 2 H-Wings
- 2 V-Wings
- 1 Wing Bracket
- 1 Wing Bracket
- 1 User Manual

Key Features

- iOS and Android Smartphone Compatible
- Plug and play, easy to replace
- Main Body / CoDrone not included

new



CoDrone FPV Kit
CDR003 **\$89.95**

Transform your drone to a Rover with the CoDrone Drive Kit! This kit has to be used in combination with the CoDrone (CDR001). The FPV (First Person View) replaces the top shell on your CoDrone and replaces it with another shell which includes a camera. It connects to your phone over WiFi so you can watch while you fly!

Kit includes

- 2 Wheels
- 2 Geared Motor Brackets
- 2 H-Wings
- 2 V-Wings
- 1 Wing Bracket
- 1 Wing Bracket
- 1 User Manual

Key Features

- Video Resolution: HD 1280 x 720
- iOS and Android Smartphone Compatible
- Connectivity: Wi-Fi 2.4 GHz
- Plug and play, easy to replace
- Main Body / Drone not included

new



CoDrone Power Pack
CDR002 **\$89.95**

This power pack makes charging your CoDrone quick and easy. Each pack includes 1 Multi-Charger and 2 Lipo Batteries for high speed charging and longer flying time. The multi-charger can charge up to 4 batteries at the same time.

Kit includes

- Multi-Charger
- AC/DC Adaptor
- USB Cable
- 2 Lipo Batteries

new



CoDrone Replacement Motor Set
CDR005 **Set of 2 \$39.95**

A set of 2 replacement motors for the CoDrone.

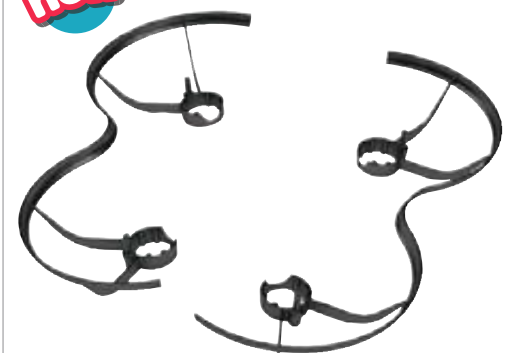
new



CoDrone Propeller Set - Black
CDR006 **\$9.95**

A replacement propeller set for CoDrone, supplied in black.

new



CoDrone Guard Set
CDR007 **\$17.95**

A replacement guard set for CoDrone, supplied in black.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Data Logging

Complexity: For beginners and intermediate level

Extendibility: Add different sensors to the base unit to extend the learning topics

Programming Language/Software: Browser based - no software or apps needed

Compatibility: PC (Windows), Mac (OS), tablets and smartphones (iOS and Android), Chrome books

Age Group: Ages 6 to 14

Curriculum Links: ACTDEK002/23/31/43 - ACTDEP007/14/24/35/36/37/50 - ACTDIK007

The Eisco Sensor Platform is designed specifically for primary and early high school students. Sensors attach to a hand-held base unit which displays the data in real-time. Data from the sensors can be streamed to a laptop, tablet or smartphone using the optional WiFi module. Buy a complete set of sensors or just select the sensors you need. No calibration is required.



Step 1

Connect & Collect!

Start with the Base Unit with built-in Ambient Temperature Sensor to begin collecting ambient temperature data instantly.

Step 2

Choose from 9 Interchangeable Sensors:

Add individual sensors to match your classroom needs.

Step 3

Add Optional Wi-Fi

Add the optional Wi-Fi Module for wireless connectivity to any device.



Eisco Sensors Handheld Base-unit

EIS100B \$349.95

This unit is the centre of the Eisco Sensors Platform. Any Eisco sensor can be connected and will instantly be recognised. This unit can be used as a stand-alone device, tethered to a computer or it can stream data to any device. When the unit is set to handheld mode, students can instantly collect and analyse data on the screen of the unit while being on the move. USB mode is an alternate option for analysing data on a larger screen.

Specifications

- Built-in ambient temperature sensor
- Full-colour touch screen
- Internal rechargeable battery



~~\$2,369.45~~
\$2,049.95
SAVE \$319.55

Eisco Sensors Platform Classpack

EIS100CP \$2,049.95

This set consists of the handheld base unit (EIS100B) and one of each of the sensors (current, light, motion, force, temperature, pressure, pH, voltage and sound), and the WiFi module (EIS100W). Packed in a sturdy storage box.



Eisco WiFi Module

EIS100W \$299.95

This WiFi module add-on connects to the base unit (EIS100B) and allows data to be streamed directly to laptops, tablets and smartphones by creating a self-contained WiFi network specific to that WiFi module. Sensors can be run and viewed from any device connected to this WiFi hotspot. No internet or external network is required for this function.

Eisco Sound Sensor

EIS110 \$179.95

Range // Resolution:

40 - 110 dB // 0.1 dB

0 - 4,095 Signal // 1

Sample Rate: 10,000 S/sec



Eisco Pressure Sensor

EIS108 \$239.95

Range // Resolution:

0 to 7atm // 0.01atm

0 to 100 psi // 0.1 psi

0 to 700 kPa // 0.1 kPa

0 to 7 bar // 0.01 bar

Sample Rate: 100 S/sec



Eisco Voltage Sensor

EIS112 \$129.95

Resolution:

0.01 Volts

Max Sampling:

3,000 S/sec



Eisco pH Sensor

EIS107 \$229.95

Range: 0-14pH

Resolution: 0.01 pH

Sample Rate:

100 S/sec



Eisco Temperature Sensor

EIS101 \$99.95

Range:

-40 to 140 Celsius

-40 to 284 Fahrenheit

Resolution:

0.01 Celsius

0.01 Fahrenheit

Max Sampling:

100 S/sec



Eisco Force Sensor

EIS109 \$309.95

Range:

-10 N to 10 N

-50 N to 50 N

Resolution: 0.01N

Sample Rate: 3000



Eisco Current Sensor

EIS111 \$129.95

Range: -2.5A to 2.5A

Resolution: 1 mA

Sample Rate: 3000



Eisco Light Sensor

EIS103 \$159.95

Range // Resolution:

0-1,000 lx // 1 lx

0-6,000 lx // 6 lx

0-150,000 lx // 150 lx

Sample Rate: 3,000



Eisco Motion Sensor

EIS105 \$239.95

Range // Resolution:

0.25 - 6 m // 1mm

-10 m/s to 10 m/s // 0.02 m/s

-100 m/s/s to 0.08 m/s/s // 0.08 m/s/s

Sample Rate: 100 S/sec



Wearable Technology

Complexity: Beginners

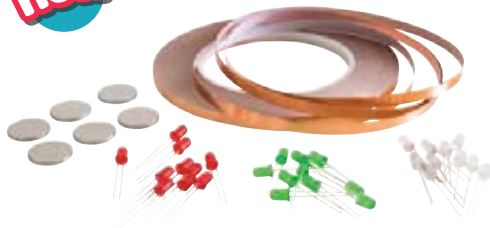
Extendibility: Add clothing, accessories and craft items to create wearables and craft projects that light up

Programming Language/Software: N/A

Age Group: 10+ years

Curriculum Links: ACTDEK011/13/20/23/34/46/47
- ACTDEP015/16/18/24/25/26/35/36/37/48/49/50
- ACTDIK007/14

Wearable Technology are clothing and accessories incorporating computer and advanced electronic technologies. The wearable tech group pack allows students to practise with simple electronic circuits, while being creative. Students learn about the positive and negative connection of each component, and by connecting them in the correct way they can create wearables, greeting cards or any other craft projects that light up! **WARNING: Contains cell/button batteries. Hazardous if swallowed. Seek immediate medical attention.**



Wearable Technology Starter Pack
EIS0610 \$27.95

These wearable technology packs come in three different sizes, depending on the size of your project and class.

- 6 Coin Cell Batteries
- 10m of Conductive Tape (6mm thick)
- 30 LEDs in 3 different colours



Wearable Technology Group Pack
EIS3030 \$69.95

- 30 Coin Cell Batteries
- 30m of Conductive Tape (6mm thick)
- 150 LEDs in 3 different colours



Wearable Technology Class Pack
EIS1590 \$229.95

- 90 Coin Cell Batteries
- 15x 10m of Conductive Tape (6mm thick)
- 300 LEDs in 3 different colours



Wearable Technology Craft Class Pack

EIS1590K **Class Pack** \$399.95

This pack includes everything you need to create your own clothes and accessories that light up! Stick the batteries, conductive tape and LED lights to the cardboard strips, cut holes in the accessories or clothes where you want the LED light to shine through and stick the cardboard strip to the fabric in the right spot. You've just made your personalised clothes and accessories, simple as that!

- 90 Coin Cell Batteries
- 15x 10m of Conductive Tape (6mm thick)
- 300 LEDs in 3 different colours
- 10 Medium kids-sized cotton shirts (size 12)
- 10 Large kids-sized cotton shirts (size 14)
- 10 Calico bags with handle
- 10 Legionnaire caps
- Pack of 100 cardboard strips (10 x 60cm)

~~\$480.35~~
\$399.95
SAVE \$80.40

Warning: Contains coin/button batteries. Hazardous if swallowed. Seek immediate medical attention

Animation Software

Complexity: Beginners

Extendibility: Add art and craft materials to create characters or use other figurines. The possibilities are endless!

Programming Language/Software: N/A

Compatibility: Windows XP/Vista/7/8 or Windows 10, Intel Mac, OS X version 10.8 or later

Age Group: 6+ years

Curriculum Links: ACTDEK004/13/23/34

- ACTDEP006/7/9/14/15/16/18/25/26/28/36/37/39

- ACTDIK001/7/14



The OGOBILD with Animate It! kit combines constructive play with stop motion animation movie making. Is an all-in-one kit for any student to start learning how to create their own stop-motion animated movies. Use the construction parts included to create personalised characters, or create your own with art and craft resources. The easy-to-use software and camera included will get you started straight out of the box!

Create stop-motion animations!

OGOBILD – Animation Set with Camera

OG001	Each	\$89.95
OG001-5	Set of 5	\$399.95
OG001-10	Set of 10	\$699.95

The OGOBILD with Animate It! Kit contains a building kit with 103 construction parts to build your creatures. It also comes with an instruction book introducing stop motion animation, a steady-mount webcam, and software certificate for the Animate It! Express software. The construction pieces include hands, feet, and much more to build lively characters, slick vehicles, and out-of-this-world structures. The various connector pieces snap together providing strong yet flexible joints perfect for the delicate articulation required when creating stop motion animation. The software will guide you step-by-step through the world of stop-motion animation.



Set of 10
\$699.95
 SAVE \$199.55

Kit includes

- 10x Animation software, cameras and construction pieces (OG001)
- Set of 6 Fluoro Dough - 1kg each (CS2064)
- Pack of 550 assorted Joggle Eyes (TH321)
- Pack of 1000 assorted Pipe Cleaners (CL4704)
- Pack of 300 assorted Pom Poms (EC30S)
- Creative Soft Wire in assorted Colours - 30m (TH030)



OGOBILD – 10 Animation Sets with Camera & Craft Kit

OGKIT1 \$799.95

Everything you need to bring your characters, vehicles, buildings and structures to the next level! This kit includes 10 animation sets and cameras (10 x OG001) plus a wide range of craft resources to create the most creative stop-motion animation videos! Perfect for classroom use.



The ultimate animation class kit

~~\$1,050.00~~
\$799.95
 SAVE \$250.05



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

3D Printers



Complexity: Beginners to advanced

Extendibility: Use the handheld scanner (not included) to scan and print any object. Print parts for the Humanoid Bolide (not included and sold separately) to create your own personalised robot.

Programming Language/Software: XYZware (File types: .stl and XYZ Format (.3w))

Compatibility: Windows 7 and above, Max OSX 10.8 and above (64-bit)

Age Group: 8+ years

Curriculum Links: ACTDEK004/13/34/43

- ACTDEP005/6/7/14/15/16/24/25/26/35/36/37/48/49/50

Become your own manufacturer and create 3D objects with ease. XYZ 3D printers come with XYZware which is software for designing, customising, and printing digital 3D models. 3D printing allows for exploration of objects that might not be readily available in the classroom, improves design skills and production processes, and allows students to analyse a prototype they have build. 3D printers are the future for STEM related core lessons.

Da Vinci JNR 1.0 3D Printer by XYZprinting MTT0173JR \$699.95

Big things come in small packages. Don't let its slimmer and lighter look fool you, the da Vinci Jr. has a robust build size of 15 x 15 x 15cm and a resolution of 100 to 400 microns. Its design allows for the inclusion of an auto-feeding filament system, which takes the PLA filament to the extruder, and ensures that the filament is loaded properly and is ready to print.

Key Features

- Safety-enclosure - Enclosed printing area and non-heating bed
- Stand Alone - Built-in SD card slot allows users to print from SD card directly
- Easy Loading Filament
- Eco-Friendly - Supports PLA material, the most highly efficient biodegradable plastics
- USB connection for printing from your PC
- Single nozzle with print mode 100 - 400 microns
- Supported operating systems include: Windows 7 and above, Mac OSX 10.8 and above (64-bit)



Da Vinci 1.0A 3D Printer by XYZ Printing MTT01731 \$999.95

Big with its robust build size of 20x20x20cm, the da Vinci 1.0 is on average 69% bigger than all competing 3D printers for a fraction of the cost! The da Vinci 1.0 is ready-to-go right out of the box. This plug-and-play 3D printer features easy-to-install filament cartridges for quick refills and filament swaps. It features a fully-enclosed design which protects the users from the high temperatures required to print.

Key Features

- Safety-enclosure - The enclosed printing area bed ensures a safe printing environment
- Plug-and-Play printer. No assembly required
- Easy Loading Filament - Makes filament detecting and replacing easy
- USB connection for printing from your PC
- Single nozzle with print mode 100 - 400 microns
- Supported operating systems include: Windows 7 and above, Mac OSX 10.8 and above (64-bit)
- ABS & PLA filament with a diameter of 1.75 mm



Handheld 3D Scanner by XYZprinting MTT0173S \$429.95

Powered by Intel RealSense Technology, the Handheld 3D Scanner is fast in both scanning ability and processing speed. It allows for great scanning result and reliability. It is able to clip-on the back of a tablet, laptop, or any other device with a USB 3.0 connection for high mobility. Fully integrated with XYZprinting's 3D printers, users can print their desired objects directly from their laptops at any time, or share it digitally. Visit our website for full specs and compatibility with your device.

new

~~\$5,709.00~~
\$5,299.90
 SAVE \$409.10



Da Vinci 3D Printer Classroom Pack

MTT1073K \$5,299.90

The ideal classroom kit for all your 3D printing needs. This kit includes 5x Da Vinci Jr 1.0 3D printers, 1x Da Vinci 1.0A 3D printer, 1x handheld 3D scanner and a selection of 9x different PLA filaments suitable for the Da Vinci Jr, and 2x ABS and 2x PLA filaments suitable for the Da Vinci 1.0A.

new

Da Vinci 1.0 3D Printer Pro 3-in-1 by XYZprinting

MTT0173-P \$1,799.95

With a built-in scanner, optional laser engraving add-on capability, and an open source filament system that allows you to print in third-party ABS and PLA 1.75mm filaments, the da Vinci Pro 3-in-1 is the perfect machine for becoming your own manufacturer.



Specifications Scanner

- 360-degree automatic rotating platform
- Dual-laser scanning technology for distortion-free capture of every single detail
- Automatic imaging takes only 5 minutes
- Finished scans are fully editable
- Multi-scan function: Scan your models in multiple angles and the software will merge them into one image to provide the best possible results

Specifications Printer

- 20 x 20 x 19cm print dimensions
- The aluminium print bed allows for an even distribution of heat
- Capable of using third party 1.75mm ABS and PLA filament
- New and intuitive calibration system that uses specially designed knobs and detection software for easy use

Filaments Each \$59.95

Create colourful projects with a wide range of coloured filaments. The DaVinci Junior 3D printer can be used with PLA filaments, the DaVinci 1.0A 3D printer can be used with both PLA and ABS filaments. Each filament is 600 gram. Ventilation is required when using ABS. For a full comparison of PLA and ABS, please refer to our website.

DaVinci 1.0A & Pro 3-in-1 PLA Filament

	MTT0173B	Black
	MTT0173N	Nature
	MTT0173TA	Tangerine
	MTT0173CY	Clear Yellow
	MTT0173NG	Neon Green
	MTT0173CG	Clear Green

DaVinci 1.0A & Pro 3-in-1 ABS Filament

	MTT0173ABK	Black
	MTT0173ASW	Snow White
	MTT0173AVT	Violet
	MTT0173AGP	Grape Purple
	MTT0173ASB	Steel Blue
	MTT0173AV	Viridity
	MTT0173ABG	Bottle Green
	MTT0173AO	Olivine
	MTT0173ACY	Cyber Yellow
	MTT0173ANY	Neon Yellow
	MTT0173AYW	Yellow
	MTT0173ASO	Sun Orange
	MTT0173ARD	Red
	MTT0173ANM	Neon Magenta

Da Vinci Junior PLA Filament

	MTT0173PB	Black
	MTT0173PPW	Pearl White
	MTT0173PN	Nature
	MTT0173PR	Red
	MTT0173PCT	Clear Tangerine
	MTT0173PY	Yellow
	MTT0173PNG	Neon Green
	MTT0173PCG	Clear Green
	MTT0173PCB	Clear Blue



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Digital Microscope – Wireless/USB

FD079 \$111.95

This extraordinary wireless hand-held digital microscope/camera is easy to use; just connect it to your computer or even your smartphone, simply using the 10m covered WiFi, and start taking videos or photos. Alternatively, you can simply use the USB to connect to your computer and use it as a normal webcam. You can even mount it on a standard tripod (not included).



Zoomy 2.0 - Digital Microscope

LER4429-B \$99.95

Zoom in on the world around you! This freshly updated, all-in-one handheld digital microscope now in vibrant blue gives early scientific study a whole new perspective, and is easy for young children to use. Zoomy 2.0 magnifies up to 54x and allows students to closely analyse the structure of objects in greater detail than ever before. Use with a computer, projector, or interactive whiteboard. Uploads and connects via USB. Features 640 x 480 pixels, VGA CMOS sensor, 4 LED lights, and 2 head adapters. Compatible with PC and Mac. Measures 7.5cm in diameter.



Specifications

- Camera Sensor: 2 megapixel
- Resolution and frame rate
- USB Mode: HD 720p 1280x720
- WiFi Mode: VGA 640x480
- Connectivity: IP/Network WiFi or USB 2.0
- View in WiFi mode: Android™, iPhone®, iPad® Internet or Windows System IE Internet Explorer
- View in USB mode: Skype or Amcap
- Battery: 1800mAh Li-ion battery
- Charging connector: Micro USB socket same as smartphone



Digital Microscope – USB 5MP with Software

EL3199 \$189.95

A USB microscope with a simple but incredibly useful stand that allows students to make fine adjustments to the vertical height of the microscope and swivel the scope arm around a 360 degree range. This permits a greater level of viewing accuracy and stability. On either side of the stand there are two metal holders to lock your object in place and a printed ruler to help you get an approximate feel for the length of objects. The optics built into this microscope are excellent. The sharpness of texture on magnified objects is incredible to look at, you will spend hours searching for things to magnify. It comes with a great piece of software for capturing 5MP (2592x1944) res JPGs, BMPs, TIFs or PNGs and 1280x960 pixel AVI files. Compatible with WinXP/Vista/7/8, Mac 10.6-10.8. Magnification ratio: 10x, 300x (at 5MP res). Find full specifications on our website.



Luna 2.0 - Document Camera

LER4427 \$299.95

Contemporary new design and enhanced image quality meets reliable simplicity. Easy-to-use digital projection camera is also a web cam and photo/video camera. Great for students' multimedia projects across the curriculum or whole-class demonstrations of manipulatives in action, book pages, science models, and more. Connects via USB port to use with your computer or interactive whiteboard. Features 2.0 MP digital images, adjustable gooseneck, auto focus, 8 LED lights, and internal microphone. No batteries required. Compatible with PC and Mac. Measures 50cm high.



Digital Microscope - Advanced - Monocular



EIS0360 \$899.95

This advanced digital microscope will show the smallest things in great detail. With 1W LED illumination, the camera is 1.3MP and connects via USB. The software is included. The monocular eye piece has a built-in pointer and a tube length of 160mm. The head is 360° rotatable. The 40x and 100x oil objectives are spring-mounted and achromatic colour coded DIN objectives. Comes with built-in protection for specimen and objective. The plain stage measures 120x120mm. With coaxial coarse and fine adjustment knobs on both sides with 0.002 mm graduations.

Digital Camera

TTS617 \$149.95

This HD still and video camera offers a robust design, simple download function through the flip-out USB and HD quality recording. It is ideal for teacher or pupil use due to the clear and easy to use buttons.

exclusive

Key Features

- 2" LCD display
- 5.0 megapixels
- High definition
- Fitted with 4GB SD card
- 4x digital zoom
- Mini HDMI cable
- Still camera, video recorder and playback
- PC and Mac compatible

Use the USB to upload images



new

Volume limited!

MConnected Earbuddies

MD0100 Each \$11.95
MD0100K Set of 10 \$99.95

The volume-limited earphones for students. Earbuddies provide a comfortable fit for precise sound. The tangle-free cable ensures easy use for students.



Specifications

- Cable length: 1.2m
- Sensitivity: 89 ± 5dB
- Driver unit: 10mm
- Impedance: 32Ω
- Frequency range: 20Hz-20KHz

new

MConnected Earbuddies

MD0101 White – Each \$19.95
MD0101K White –Set of 10 \$179.95
MD0102 Lime – Each \$19.95
MD0102K Lime –Set of 10 \$179.95

Connected earphones provide a comfortable fit for precise sound. They deliver a wide range of sound with crisp highs and powerful lows. Comes with tangle-free cable and volume switch. Included is a sleek zippered pouch for easy storage.



Specifications

- Cable: 1.2m
- In-ear design
- Sensitivity: 108 ± 3dB
- Driver unit: 10mm
- Impedance: 32Ω
- Frequency range: 20Hz-20KHz

Bluetooth wireless headphones for children aged 4+



Untangled Pro Wireless Bluetooth Headphones

LIGKIT1 Pack of 4 \$319.95
LIG001 Blue \$89.95
LIG002 Pink \$89.95
LIG003 Green \$89.95
LIG004 Purple \$89.95

~~\$359.80~~
\$319.95
SAVE \$39.85

High quality, Bluetooth wireless headphones, sized for children ages 4+ years and compatible with most Bluetooth devices. Max volume is 93dB, 10 hour battery life with 180 hours standby. Includes USB cable and 1.2m 3.5mm audio cable. 9m wireless range. For full specs please refer to our website.

Limited volume. Designed for children aged 2-8 yrs



Connect+ Wired Headphones

LIGKIT2 Pack of 4 \$159.95
LIG005 Blue \$44.95
LIG006 Pink \$44.95
LIG007 Green \$44.95
LIG008 Purple \$44.95

~~\$179.80~~
\$159.95
SAVE \$19.85

High quality wired headphones designed for children aged 2 to 8 years. Includes a detachable 1.2m 3.5mm audio cable, with max volume of 93dB. For full specs, please refer to our website.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Also see our range of Audio Books in the Children's Books section



Listening Centre Kit

CN1208 \$312.95

Kit contains 8 headphones and an 8-user Jack Box packed in a hard plastic case. Jackbox and headphones are Mono, for use with CD player only. CD player not included.

CD Player

TTS527NEW

CD player only

\$181.95

TTS528NEW

CD player with 6 headphones

\$269.95

No more messy splitters, just easy listening with this 6 port multi-listener CD player. Supplied with built-in connections for 6 separate headphones. The high-power speakers also make it ideal for class activities. Listen to CD, CD-R and CD-RW formats with ease along with a built-in AM/FM radio. Seeing what you are listening to is easier with the high-resolution large LCD display. It works off 8 'C' type batteries (not included). Can be used with the mains adaptor (supplied). TTS528NEW includes 6 headphones.



Headphones designed for ages 3 to 8 years

Listening First Jackbox & 4 Red Headphones

CN1114-4 \$124.95

These headphones and jack box are a favourite for children and teachers alike. The size and weight of the headphones are perfect for 3 to 8 year olds and the bright primary colour helps engage younger learners. Hearing safety is ensured with slotted baffles that protect against perforation of the internal speakers. Ambient noise-reducing ear cups also help children remain focused. The jack box features individual volume control for all 4 users. Leads to connect the jackbox to the audio source are included. Perfect for story time and literacy groups in early childhood and primary schools. Jackbox contains small parts, not suitable for children under 3 years of age. **Connect to tablet, smartphone or CD player.** Ages 3+ years

Stay focused with noise-reducing ear cups



Jackbox & 4 headphones \$139.95 SAVE \$11.80

Connect to tablet, computer, smartphone or CD player

Multimedia Jackbox & Headphones

CN310K Multimedia Jackbox & 4 Headphones \$139.95

CN310 Jackbox – Each \$51.95

CN3060 Headphones – Each \$24.95



Tablet and smartphone technologies are creating new ways for digital learning and the key to best distributing the sound to multiple listeners is the jackbox. This multimedia jackbox accommodates up to 10 headphones, has individual volume control and includes 3.5mm and 1/4" plugs to connect to a variety of audio sources including tablet, smartphone, computer and CD player. These multimedia stereo headphones are lightweight, fully adjustable and have in-line volume control. Ambient noise-reducing ear cups protect students' hearing. The CN310K kit includes, 1 multimedia stereo jackbox and 4 multimedia stereo headphones.



Easi-Speak Pro Microphone Recorder
TTS550 \$159.95

Easi Speak Pro allows students to record voices, sounds or music on the move. Students can record their own voices or their interactions with other students and play back the recording at the touch of a button. The recordings can then be downloaded via the built-in usb to the computer. A great tool to encourage children to talk to others and for teachers to assess children's communication skills. The built-in battery is charged through the USB connector. Four hours recording time, no software needed.



Easi-Speak Microphone Recorder – Yellow
TTS525 \$129.95

Record voices, sounds or music on the move with the Easi-Speak microphone. Children can record their own voices or their interactions with other children and play back the recording at the touch of a button. The recordings can then be downloaded via the built-in usb to the computer. A great tool to encourage children to talk to others and for teachers to assess children's communication skills. The built-in battery is charged through the USB connector. Four hours recording time, no software needed.



Talking Point Recorder

TTS551 Pack of 6 Coloured – 10 seconds \$109.95
TTS090 Pack of 5 Black – 30 seconds \$114.95

A simple recording device which allows children to record their voice and play it back at a touch of a button! Ideal for speaking and listening activities. Can be easily mounted with photos and pictures for an interactive display. Each device is 4.5cm. Replaceable LR44 batteries are included.

“Children interact verbally... convey and construct messages with purpose and confidence.”
EYLF



TTS090



TTS551



Story Sequencer
TTS153 \$109.95

Create talking stories, class timetables or questions and answer games on this recordable bar. Simple to use, children or teachers can slot in up to six of their own images or words and then record a corresponding 10 second message per slot. Simply press to play back the message! Ideal for hanging on the wall and perfect for sequencing activities.



Rainbow Talking Boxes
TTS0147 \$87.95

These fantastic Rainbow Talking Boxes let you record your own 10 second message into each box which plays when opened. All boxes have wipe-clean surfaces, are made from heavy gauge card and activated by light sensors. Magnetic catches keep the lid down, but will release at a gentle touch. Pack of 6 vibrant colours with concealed batteries.





Document Camera & iPad® Stand
CRN001A \$149.95

Turns your iPad® 2, 3, 4, iPad® Air, Air 2, iPad® Mini, Mini 2 and 3, and various smart phones into a document camera by utilising the device's camera. This high quality stand provides the opportunity to share work and ideas. It is height adjustable, with a 90 degree rotating mount that swivels and tilts, keeping the device secure. Includes headphone holder and mounting holes on the base. Size: 32 – 58cm (lowest to highest position), 27(W), 38cm(L).

new



STEM Maker Station
CRN001S \$699.95

Schools everywhere are putting more and more emphasis on learning through building and hands-on experiences. The STEM Maker Station allows classrooms to store all of their essential maker materials in one secure place and share a unit between classrooms. The STEM Maker Station is also ideal for libraries where diverse creative activities are undertaken and space is limited.

Specifications

- Frame: 167(H) x 131(W) x 66(D)cm
- Bottom shelf: 99(W) x 36(D)cm with a 7(H)cm edge
- Open Tubs: 38(L) x 30(W) x 15(D)cm
- Small Tubs: 41(L) x 15(W) x 15(D)cm
- Tiny Tubs: 13(L) x 8(W) x 10(D)cm



Key Features

- Cardboard or material storage rack
- Tape/ribbon/string dispenser rack
- Coroplast overhead sign and display to personalise your station (letters not included)
- Hooks for hanging accessories/tools
- Large bottom shelf
- 4 Small Tubs, 4 Open Tubs, 4 Tiny Tubs
- 4" castors, 2 with brakes and pinch point covers



GummyGrip Stylus for Kids
ACC7186 \$16.95

This stylus is perfect for kids, with a firm, durable tip for drawing, writing, or selecting. Made of non-toxic materials safe for children. It is ergonomic shape for kids' hands. Fits perfectly into stylus holder on SafeGrip Rugged Cases (ACC7794 and ACC7793, sold separately).



Kensington – Stylus & Pen – Black
ACC7044 \$27.95

- Soft tip provides comfort and control and won't scratch your screen
- Other side of stylus features a ballpoint pen with cap
- Full length body for familiar grip and feel
- Chrome pocket clip

Noris Stylus & Pencil – HB

STA9203	Each	\$7.20
STA9203K	Set of 10	\$59.95

- 2-in-1 learner's pencil with stylus function
- Stylus end for use on tablets with capacitive touchscreens
- Ergonomic jumbo triangular shape for relaxed and easy writing and drawing
- Part of the STAEDTLER learning system with free, child-friendly learning apps



new



3D Printer Cart - Premium Model
CRN5001 \$799.95

This 3D Printer Cart allows printing equipment to be shared around the school easily and keeps everything that you need close at hand. Also ideal for libraries where diverse creative activities are undertaken and space is limited. Please note: 3D printer is not included. Size: 150 x 91 x 64cm with spool arm, 104 x 91 x 64cm without spool arm.

Features

- Accommodates 3D Printers with a footprint of up to 60 x 67cm
- Base Tech Tub® for locking up specialised equipment and tools (supply your own padlock). Does not come with dividers
- 2 Open Tubs
- 1 Really Big Tub
- 4" castors, 2 locking
- Adjustable spool holder (holds maximum of 4 spools)
- Sliding laptop shelf fits laptops up to 17"
- Magnets for attaching accessories to frame

Tech Tub Locking Station for iPad® & Tablets

CRN1000K Each \$139.95

The Tech Tub now comes with a higher lid, to fit even bigger laptops and tablets! This locking and recharging solution is designed for a wide range of iPads, notebooks and tablets. It comes with adjustable rails and dividers to suit the size of the devices you want to store. Maximum device size (including cable!) is 35.6 (H) x 23 (W) x 2.8 (T) cm. For a full list of compatible devices, please refer to our website. Please note: power board and padlocks are not included. We recommend the use of the Locking Block & Pin (CRN100, not included) to secure the Tech Tub to a flat surface.

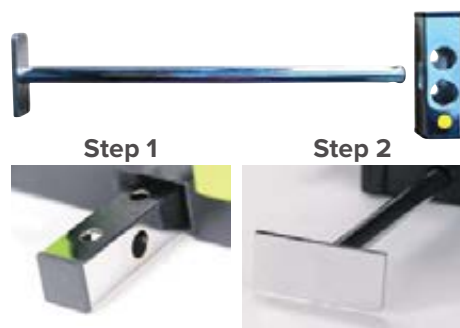
~~\$149.90~~
\$139.95
SAVE \$9.95



Now with higher lid

Specifications

- Lock and charge up to 10 devices at the time
- Secure, highly mobile and lightweight
- Vented to ensure airflow and prevent overheating
- Made from highly durable, heat resistant ABS plastic
- Size: 24.1 (W) x 31.1 (D) x 29.2 (H) cm



Tech Tub Locking Block and Pin
CRN100 \$44.95

This locking device is for use in combination with the Tech Tub. The locking block and pin enables you to lock the Tech Tub to a table, floor or any other flat surface. Attached the block to the flat surface, slide the Tech Tub over the block and lock it with the pin.

Premium Tech Tub – Complete Kit

CRN700 \$329.95

The Premium Tech Tub now comes with a higher lid, to fit even bigger laptops and tablets! The Premium Tech Tub fits up to 10 devices and comes with adjustable rails and dividers to suit the size of your device. Maximum device size (including cable!) is 35.6 (H) x 23 (W) x 2.8 (T) cm. For a full list of compatible devices, please refer to our website. The specifications are identical to the Tech Tub (CRN1000K), but with additional accessories to get started straight away!



Includes internal device divider locking block & pin, power strip and two padlocks

Complete kit

Included

- Premium Tech Tub
- Adjustable dividers to lock and charge up to 10 devices at the time
- Australian power board
- 2 padlocks
- Power strip winders and ties for cable management
- Locking block and pin to securely attach the Premium Tech Tub to a flat surface.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Lock, Charge & Sync Cabinet for Tablets

ACC7862 \$999.95

As more tablets are deployed into classrooms, providing a convenient and secure storage location is becoming a big need. With space for up to 10 tablets including iPads, Galaxy Tabs, Kindles and more, the cabinet is the perfect place to charge the tablets after everyone has gone home for the day so they're powered up and ready in the morning. Charging cables are not included and sold separately.



Features

- Holds up to 10 tablets for secured storage, charging and syncing
- Stack up to 3 cabinets and sync up to 30 tablets with a separate USB hub. USB cable included.
- Adjustable shelves allows for tablets in their protective rugged cases
- Can hold iPads, Galaxy Tabs, Kindles, and other iOS and Android devices
- Secures to table with mounting plate or cable lock
- Tamper-resistant, retracting door opens wide for easy access
- Built-in cooling fan to avoid overheating charging tablets
- Individual lock keys included.



Compatible with all iPads®, Samsung Galaxy Tabs and Kindle Fire



Charge & Sync Cables

These cables come in sets of 5 and are designed for use with the Lock, Charge & Sync cabinets (ACC7064). Each cable measures 20cm.



Lightning Cable for iPad Air and Mini
ACC7864 Set of 5 \$119.95



Cable for iPad 2 to 4
ACC7865 Set of 5 \$49.95



Cable for Samsung & Kindle
ACC7866 Set of 5 \$29.95



Kensington Secure Cabinet Trolley

ACC7909 \$139.95

When it's more convenient to move your tablets to the users than have the users come to the tablets, there's no better solution than the Secure Cabinet Trolley. Designed to hold up to two Lock Charge & Sync Cabinets for Tablets (ACC7862), the trolley allows you to mount the cabinets directly to the platform for a secure ride.

Specifications

- Free-spinning rubber wheels to roll the trolley in any direction
- Dual pedal locks that limit the trolley's ability to move when engaged
- Mounting platform allows you to secure the Lock Charge & Sync Cabinets for Tablets (ACC7862) directly to the trolley
- Two cabinets can be stacked on trolley so up to 20 tablets can be moved at a time

~~\$2,139.85~~
\$1,999.95
SAVE \$139.90

Lock Charge & Sync Cabinets & Trolley Kit

ACC7862K \$1,999.95

This kit includes 2 Lock, Charge & Sync Cabinets for Tablets (ACC7862) and one Secure Cabinet Trolley (ACC7909). An ideal kit if you have to move your tablets around the school often. Holds up to 20 tablets at the same time.



Kensington Laptop & Chromebook Charging Cabinet

ACC4415 \$1,199.95

With more tablets, Chromebooks and laptops being used in the classroom, the need for a solution that can store, charge and secure those devices overnight is greater than ever.

Features

- Holds up to 12 devices and includes rugged dividers with convenient cable routing
- Tamper-resistant door with lock with swing door at the front for easy access
- Accommodates a wide variety of devices up to 14 inches, incl. Chromebook, Surface/Surface Pro, MacBook Air, iPad, Galaxy Tab, laptops and more

- With sliding drawers to easily place your device into the cabinet
- Pre-installed free-spinning wheels to roll the trolley in any direction and rotate 360 degrees
- Dual wheel locking foot pedals ensure the trolley doesn't move
- AC power strip accommodates each device's own power cord
- Size: Height: 71.5 (H) x 42 (W) x 59 (D)cm

Suitable for iPad® Air & Air 2

Kensington Blackbelt Case

ACC7064

Case for iPad® Air – Black \$35.95

ACC7365

Case for iPad® Air 2 –Black \$29.95

- Strong, cushioned rubber ring designed to protect against drops and scratches
 - Unobstructed port openings for easy access to controls, cameras and connectors
 - Raised bezel protects screen (no screen protector included)
 - Clear protective back cover
- Size: 18.5(L) x 25.5(W) x 1.5(H)cm.



Suitable for iPad® Air

Rugged Case & Stand for iPad® Air - Black

ACC7065 \$79.95

- Strong, cushioned rubber frame is designed to protect against drops and scratches
 - Built-in hand strap reduces chances of accidental drops
 - Multi-position stand for optimised viewing
 - Raised bezel and screen protector prevent scratches
 - Unobstructed port openings for quick access to controls, cameras and connectors
- Size: 18(W) x 25.4(H) x 2(D)cm.



Suitable for iPad® Air 2



SafeGrip Rugged Case & Stand for iPad® Air 2

ACC7363 \$72.95

- Tough, padded protection against drops and bumps
- Built to survive the shared-use school environment
- Protects screen against scratches and smudges
- Handle is sized for kids, prevents drops, and doubles as a two-way stand
- Built-in stylus holder and personalisation window
- Full access to all ports and cameras



Suitable for iPad® Air 2



Customise Me Case with Stand – iPad® Air 2

ACC7358 \$52.95

- Personalise your iPad® cover with the clear, scratch-resistant back window
- SoundWave speaker channels improve audio by redirecting sound toward you
- Cover automatically wakes/sleeps your iPad®
- Two-position stand can be optimised for viewing or typing
- Lightweight design
- Soft interior lining protects screen from scratches
- Magnetic tabs securely close folio



Suitable for iPad® Air

SafeGrip Rugged Case & Stand for iPad® Air

ACC7809 \$72.95

- Tough, padded protection against drops and bumps
- Built to survive the shared-use school environment
- Protects screen against scratches and smudges
- Handle is sized for kids and prevents drops
- Handle doubles as a stand with type and view modes
- Built-in stylus holder and personalization window
- Full access to all ports and cameras



Student Keyboard – Colourful Keys

CN001 \$39.95

Help engage and inspire computer users with this keyboard designed for younger students. Made from rugged ABS plastic for durability and safety, its fun, bright colours will help capture interest. The colour-coded and simplified keyboard functions and keys (only 85 keys) will inspire their confidence.



Key Features

- Green colour-coded function keys
- Microsoft Office Hot Keys: Playback, Volume Control, Home, Favourites, Track Selection, Standby, Email, Search
- Red colour-coded number keys
- Orange colour-coded vowel keys
- Yellow colour-coded consonant keys



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

new



Micro USB Sync Cable

MOK090	90cm	\$9.95
MOK003	King size - 3m	\$24.95

Moki MicroUSB SynCharge Chargers are perfect for home and school use. The standard USB can plug direct into your PC for charge and sync or to power adaptors for recharging only.

- MicroUSB to USB SynCharge cable
- Available in standard size (90 cm) and king size (3m)

new



Lightning™ SynCharge Cable

MOK900	90cm	\$24.95
MOK030	King size - 3m	\$34.95

Apple Lightning™ Cables are suitable for charging all Lightning™ iDevices. The standard USB can plug direct into your PC for charge and sync or to power adaptors for recharging only.

- Lightning™ to USB SynCharge
- Available in standard size (90 cm) or king size (3m)

new



SynCharge Braided Cable – 90cm

MOK090B	MicroUSB	\$14.95
MOK090R	Lightning™ - Rose gold	\$29.95

These sync and charge cables have a braided cable with aluminium tips. The standard USB can plug direct into your PC for charge and sync or to power adaptors for recharging only. The cables measure 90cm long. Available in MicroUSB (MOK090B, black cable with grey tips) or for Lightning™ devices (MOK090R, rose gold).

new

Power Bank 2600mAh

MOK2600	2600mAh	\$29.95
MOK5200	5200mAh	\$49.95
MOK7800	7800mAh	\$69.95

These power banks are an ideal resource for extending daily use or recharging your device when you don't have access to power. The power bank is available in 2600mAh, 5200mAh and 7800mAh. All three power banks have an inbuilt overcharge, over-current and short circuit protection, and a high efficiency power transfer of around 75-80%.



Features of 2600mAh:

- 1A output
- 30 x 105 x 22 mm

Features of 5200mAh:

- 1A output
- 30 x 105 x 22 mm

Features of 7800mAh:

- 1A + 2.1A (3.1A) output
- 63 x 105 x 22 mm

new



Headphone Splitter Cable

MOK010	10cm	\$9.95
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Moki 3.5mm Headphone Splitter Cables allow you to connect two sets of headphones to one device. The 10 cm split cable gives extra length for use when a little extra distance is needed. Perfect to share your music or ebooks.

new



Screen Wipes

MOK080	80 pack	\$12.95
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Pre-moistened soft disposable wipes for the safe cleaning of all screens. Ideal for school use where screens are touched often. Safe to use on phones, handheld and portable devices, TVs and monitors. The wipes are lint free, antistatic, alcohol free and antibacterial.

new



BassBarrel Bluetooth Wireless Speaker & Microphone

MOK001	Each	\$129.95
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A quality 3W main speaker and thumping four inch sub allow the BassBarrel to pump-out great sounding music. Perfect for classroom use when the sound needs to be heard in the entire classroom. The inner barrel rotates 90° and allows you to direct the music horizontally or vertically into the room. Handsfree voice calls can be made. Size: 21 cm (W).

What is Makerspace?

A Makerspace is a designated, creative, DIY space where students come together to collaborate, create, share, fail, learn and explore. It is a great space for 21st century learning and hands-on explorations, where students help each other. This can be with high tech tools, but doesn't have to be! Some examples of tools, equipment and resources that could be present are 3D printers, sewing machings, laser cutters, (power) tools, robotics, LEGO, art and craft supplies, electronics, software and more. There is not one 'right' Makerspace and every Makerspace looks different. A makerspace is just a science lab, wood shop, art room or computer lab, but it may be a combination of elements found in any or all of these spaces.

These spaces are also helping to prepare those who need the critical 21st century skills in the fields of science, technology, engineering and maths (STEM), computer science, graphic design and more.

What could a Makerspace look like?

This 3D floor plan gives you an idea of what a Makerspace could look like in a converted library or classroom. There is no 'one way' to create a Makerspace and any room will look different to another. Makerspaces can be created in any size and on any budget.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Resources for Digital & Design Technologies 2017

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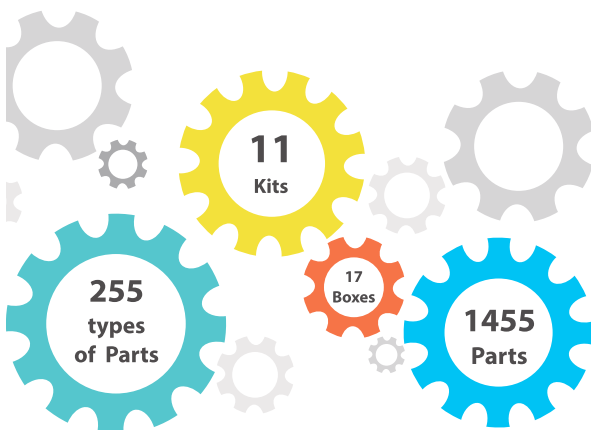
The Makerspace kit includes 17 boxes divided into 11 categories



MakerSpace Kit

MB99061M 1455 pieces \$9,999.95

Makeblock is a block-building platform including more than 300 types of metal building blocks, electronic modules and software as well as an open-source creativity platform including various classic creativity kits. The Makerspace Kit consists of 11 types of kits, packed into 17 boxes of mechanical parts, electronic parts and tools and accessories. Scientifically proportioned and flexibly configurable, the kit is designed for various ages and educational institutions. Software is also provided for MakerSpace, including complete instructions, integrated operation plans and workshop cases of different difficulties. For a full list of components included in this kit, please refer to our website.



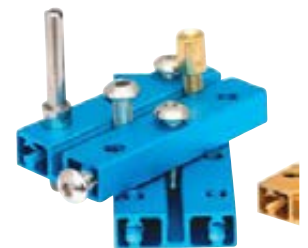
High-strength aluminium alloy material

Most of the Makeblock parts are made of 6061 aluminium alloy, which is bright in colour, reliable in quality and sturdy in construction.



Open compatibility

Makeblock is compatible with various common industrial standard components, e.g. bearing, timing belt, stepper motor, etc. as well as parts of the LEGO building blocks, so you are able to select your required parts within a wide range at low cost.



Unique thread groove design

Makeblock's well-designed thread grooves making it easier to connect at any position without any nuts, so the parts can be connected with endless variations like with LEGO blocks. Infinite part combinations support various modes of transmission and motion to meet various needs.



Lowering the threshold of entry

Makeblock works with the unique RJ25 adaptors and has a colour coded system. This makes it easy to connect a variety of motors and sensors without soldering.

All parts below are included in the Makerspace kit: 17 boxes divided into 11 categories

Structural Parts: Beam 0824

Includes two-hole beams of different lengths, suitable for building frames, bases and rail brackets etc. of mechanical systems.



88 pieces

Structural Parts: Beam 0808

Includes single-hole beams of different lengths, suitable for building frames and bases etc. of mechanical systems.



92 pieces

Electronic Modules

Includes Me Orion and all kinds of sensors (ultrasonic, light, sound, temperature, 3-Axis accelerometer and gyro), and display modules (RGB lamps and numerical tubes), all compatible with mBlock software.



151 pieces

Hardware & Tools

Includes all kinds of screws, nuts, bolts, studs, washers and assembling tools (screw drivers, spanners, cable ties, G types and clamps).



Basic Drive Parts

Includes timing belt drive series, gear drive series and screw drive series.



162 pieces

Shaft Type Drive Parts

Includes drive parts and locating parts of shafts, bearings, bearing brackets and shaft coupling, the parts are 4mm and 8mm in diameter and of different lengths.



208 pieces

Connecting Parts

Includes connecting plates and connecting blocks of different shapes such as right angle shape, U shape, P shape, round shape and triangle shape.



152 pieces

Motion Parts

Includes motion parts of mecanum omnidirectional wheels, caster wheel, timing pulleys, tires, and caterpillar tracks.



394 pieces

Advanced Drive Parts

Includes drive parts of high precision (linear motion guide rails, linear motion shaft, sliding blocks, timing belts, screw drive parts) and drive parts of large torque (chain sprockets and stepping motors).



108 pieces

Expansion Packs

Includes Beam 0808 parts, Beam 0824 parts, Beam 2424 parts, sliders, and linear motion shafts of 254mm length or above.



42 pieces

Motor Modules

Includes DC motors, stepping motors, servo, encoding motors, and their drive modules.



58 pieces



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Makerspace Technology Pack - Early Years

MS400K \$1,899.95

Introduce coding and programming to the younger students with a variety of robots. By using different platforms and different coding solutions, students create a flexibility to switch from one system to another with ease.

Kit includes

- 2x Cubetto (CUB001)
- 1x Cubetto Adventure Pack (CUB003)
- 2x Bee-Bot (TTSB001)
- 2x Dash & 1x Dot (DW002 & DW001)
- 2x CodeyBot (MB99061)

~~\$2,109.55~~
\$1,899⁹⁵
SAVE \$209.60



new

Makerspace Technology Pack - Lower Primary

MS500K \$1,999.95

A perfect combination of digital solutions for a group of students with different levels of experience. The robots vary from early entry points to more advanced programming solutions. A variety of robots allows you to switch between platforms and create a wide range of programming knowledge. Also included are littleBits to reinforce knowledge about circuits and incorporating STEAM lessons. The animation software will keep students entertained for days.

Makerspace Technology Pack - Upper Primary / High School

MS600K \$3,899.95

This Technology Pack will take coding and programming to the next level. The robots can be used by students from an intermediate to advanced level in programming and coding. Students can program their drone or build projects with the littleBits Arduino Kit. A wide variety of platforms will create a strong knowledge base for jobs of the future.

Kit includes

- 1x Makey Makey (MKK001)
- 2x CoDrone (CDR001)
- 2x Edison V2.0 (EDM001-V2)
- 2x LEGO Education EV3 (LEG45544-1)
- 2x Makeblock Ultimate Bot V2.0 (MB90040)
- 1x littleBits Arduino Starter Set (LIB606)

~~\$4,149.45~~
\$3,899⁹⁵
SAVE \$249.50



new

Makerspace 3D Printer & Humanoid Robot Kit

MS100K \$2,449.95

Customise your Humanoid Bolide by creating your own parts with the 3D printers from XYZprinting. Use any of the 3D model templates provided, or create your own! Your bolide will never look standard and unoriginal again!

~~\$2,639.70~~
\$2,499⁹⁵
SAVE \$139.75



Transform your humanoid robot to Santa, or an English soldier or create your own character!



Kit includes

- 1x Humanoid Robot (MTT0037)
- 1x Da Vinci 1.0A 3D printer (MTT01731)
- 4x PLA filaments for the 3D printer (1x red - MTT0173PR, 1x black - MTT0173PB, 1x yellow - MTT0173PY, 1x white - MTT0173PPW)

new



~~\$751.20~~
\$549⁹⁵
SAVE \$201.25

Makerspace Tool Kit

MS200K \$549.95

The ultimate Makerspace Tool to have all hardware tools on hand for the biggest projects. A wide variety of tools ensures you to create any STEAM project.

Kit includes

- 1x Assorted Basic Pliers - Set of 5 (AM8360)
- 3x Duct Tape 20m x 48mm (UB0096D)
- 12 x Stationery Scissors - Black Handles 14cm (WH607)
- 1x Tool Wrap - 60 x 23cm (MDS3007)
- 3x Flathead Screwdriver - 19cm (IND008)
- 2x Sanding Mouse - 13cm (MDS9050)

- 3x Hammer - 16cm (IND012)
- 1x Spring Clamp - 6 pieces (IND0606)
- 2x File - 25cm (IND007)
- 3x Phillips head Screwdriver - 19cm (IND0081)
- 1x Whittling Peelers - Set of 6 (MDS9016)
- 1x Hand Drill - Drill Bits (MDS9022)
- 1x Hand Drill - 26cm (MDS9021)
- 6x G-Clamp - 15cm (IND006)
- 2x Retractable Tape Measure (IND005)
- 12x Clear Safety Glasses - Vented (EIS0619A)
- 1x Tenon Saw 300mm (NL023)
- 1x Leather Punch Pliers - Metal (NL011)
- 3x Cutting Knife (NL031)
- 3x Multipurpose Shears (NL022)

- 2x Sandpaper Assorted Grades - Pack of 12 (NL033)
- 1x Nails Assorted 20 to 50mm 7oz - Pack of 210 (NL024)
- 12x Leather and Cotton Gloves (NL038)
- 3x Desk Stapler Full Strip Black and Grey (ACC006)
- 1x Staples Marbig No. 266 Box of 5000 (ACC005)
- 2x Low Melt Glue Gun (TH120)
- 1x Low Melt Glue Sticks 10cm - Pack of 10 (TH121)
- 2x High Temperature Glue Gun (CG39)
- 1x High Temp Glue Stick 10cm - Pack of 10 (CG46)



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Makerspace STEM Station & Resource Kit
MS700K \$899.95

This kit includes art & craft resources as well as the trolley to store it all in.

~~\$1,037.65~~
\$899.95
SAVE \$137.70

Kit includes

- 1x STEM Maker Station (CRN001S)
- 1x Washi Glitter Tape - 8 Asst Colours x 10m (TH638)
- 1x Assorted Nylon Paint Brush Set of 25 (YA0025)
- 1x FAS Super Tempera Primary Paint – Kit of 6 (FN10-K)
- 1x Jumbo Triangular Pencils - 144 in Wooden Box (CS0100)
- 1x Tacky Craft Glue - 125ml (EC125)
- 1x SchoolArt Superstik Glue Stick 25G - Pack of 12 (JN1203)
- 4x Spring Clamp (NL007)
- 1x Thin Line Washable Markers - Classpack of 200 (BY8211)

Kit includes

- 4x OgoBild Animation Software & Camera (OG001)
- 2x LEGO® Education StoryStarter (LEG45100)
- 2x LEGO StoryStarter Fairy Tale Expansion Set (LEG45101)
- 2x LEGO StoryStarter Space Expansion Set (LEG45102)
- 2x LEGO StoryStarter Community Expansion Set (LEG45103)
- 1x Dough Set of 6 x 1kg Tubs (CS2049)
- 1x Joggle Eyes Assorted Container - Pack of 550 (TH321)
- 1x Assorted Pipe Cleaners Bulkpack 30cm Pack of 1000 (CL4704)
- 1x Pom Poms Assorted Colours & Sizes - Pack of 300 (EC30S)
- 1x Creative Soft Wire - Assorted Colours 60m (TH030)

new

~~\$1,269.90~~
\$1,099.95
SAVE \$169.95

Makerspace Stop Motion Story Telling Kit

MS800K \$1,099.95

Story telling has never been more interesting! This kit includes a wide variety of resources to create, tell and write a story. The LEGO StoryVisualiser software allows students to create a variety of writing styles, while the animation software teaches students to incorporate software to create a stop-motion movie. The art and craft resources let students build and create personalised characters.

new

~~\$572.55~~
\$469.95
SAVE \$102.60

Makerspace Building Kit

MS900K \$469.95

"Engineer, create, build and improve structures, models and building. Use plastic, wood, or other base materials and use the tools included to put together impressive ideas.

Kit includes

- 1x K'NEX - Introductory Building Set 705 pieces (KN12211)
- 1x Straw Beads Heavy Duty - Pack of 218 (RE2152)
- 1x Galt - Connecta Straws (GN0545)
- 1x Balsa Wood Box Assorted Sizes 3kg (ATM10801)
- 1x Paddle Pop Sticks Plain - Pack of 1000 (JM67)
- 1x Scratch Wooden Sticks - Pack of 25 (TH088)
- 1x Duct Tape 20m x 48mm (UB0096D)
- 1x High Temperature Glue Gun (CG39)
- 1x High Temp Glue Stick 10cm - Pack of 10

- (CG46)
- 1x Hammer - 16cm (IND012)
- 1x Nails Assorted 20 to 50mm 7oz - Pack of 210 (NL024)
- 1x Armature Wire 3mm x 50m Roll (TH903)
- 1x Wooden Spools Natural - Pack of 50 (SH960)
- 1x Construction Value Pack Natural - Pack of 1000 (SH962)
- 1x Wooden Wheels - Pack of 20 (TH502)
- 1x Seagrass Cord 75m Roll (SH919)
- 4x Single – Double – Triple Pulley Set (EIS0280K)
- 2x Heavy Duty 80 Litre Container (K80L)

new



Makerspace Circuits Kit

MS110K \$1,299.95

Learn about circuits with different digital systems. This set includes Makey Makey, littleBits and Click Electronics to understand how circuits work. Real-life models can be rebuilt to visualise the concept.

Kit includes

- 5x Makey Makey (MKK001)
- 1x littleBits STEAM Student Set (LIB847)
- 1x littleBits Logic Modules - Set of 6 (LIB800K)
- 2x Click Electronics Extreme Kit (NK1006)

~~\$1,424.30~~
\$1,299⁹⁵
 SAVE \$124.35



Kit includes

- 1x Wooden Pegs - Pack of 48 (SH440)
- 1x Hessian Squares Natural - Pack of 10 (SH892)
- 1x Jute Hemp Twine Ball Natural - 130m Roll (SH893)
- 1x Armature Wire - 1.6mm thick 175m Roll (TH207)
- 1x Cardboard Tubes Assorted - Pack of 60 (TH981)
- 1x Masking Tape Rolls 24mm x 50m - Pack of 3 (PPMT)
- 1x Display Paper - Holly Berry Red 76cm x 10m (CB918)
- 1x Display Paper - Sunlight Yellow 76cm x 10m (CB921)
- 1x Display Paper - Midnight Blue 76cm x 10m (CB919)
- 1x Assorted Sheer Organza Fabric – 7x10m Rolls (TH19K)
- 1x Coloured Cardboard 200gsm A4 - Pack of 100 (CB350)
- 1x Balsa Wood Box Assorted Sizes 3kg (ATM10801)
- 1x Coloured Cover Paper A4 125gsm - Pack of 550 (TEB0001)

~~\$349.05~~
\$319⁹⁵
 SAVE \$29.10

Makerspace Craft Pack

MS300K \$319.95

A perfect Makerspace Craft Pack to ensure not one project is too big! This pack includes a variety of materials to put the 'A' (art) in STEM. Construct models and decorate with these resources.



SUN8337



SUN8327



SUN8317

Storage Systems & Trays

SUN8317	Ergerite - Single Storage System	\$149.95
SUN8327	Ergerite - Double Storage Tray System	\$219.95
SUN8337	Ergerite - Triple Storage System	\$279.95
SUN831L	Storage System Tray - Large	\$12.95
SUN832S	Storage System Tray - Small	\$9.95

Learn about circuits with different digital systems. This set includes Makey Makey, littleBits and Click Electronics to understand how circuits work. Real-life models can be rebuilt to visualise the concept.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Save with our Super Buys



Students learn to code with Cubetto before they can read or write

~~\$1,899.70~~
NOW ONLY
\$1,639.95
 SAVE \$169.75



Cubetto & Adventure Pack

CUB001K	Each Pack	\$379.95
CUB003K	Kit	\$1,639.95



Expand the learning adventure! CUB001K includes 1 Cubetto (CUB001) and one Adventure Pack (CUB003). The kit (CUB003K) includes 5 Cubetto Robots (CUB001), and 1 Adventure Pack (CUB003).