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Term One 2024

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cd-soft
educational resources

LEGO® LEARNING SYSTEM

BRICQ MOTION ESSENTIAL — YEARS 1-5

An engaging introductory hands-on STEAM solution in the LEGO® Learning System that encourages students to discover physical science in action. It engages pupils in years 1-5 in STEAM learning as they experiment with forces, motion and interactions in the context of sports.

This 523-piece set includes four Minifigures, a variety of easy-build elements, such as gears, weighted bricks, springs, and more. The colour-coded sorting trays streamline building and expedite end-of-class clean-up.

The set contains standards-aligned lessons that include instructional videos and printable worksheets to motivate and invigorate learners. Furthermore, teachers are provided with lesson plans, teacher videos, assessment rubrics, as well as math and literacy extensions to bolster and facilitate instruction.

Single	$215.00 ex GST	$236.50 inc GST	SKU 58237184
5 Pack	$1,030.00 ex GST	$1,133.00 inc GST	SKU 58237237
15 Pack	$2,970.00 ex GST	$3,267.00 inc GST	SKU 58237238

SPIKE™ ESSENTIAL SET — YEARS 1-5

Provides students in years 1-5 with interactive STEAM learning opportunities, promoting literacy, mathematics, and socio-emotional growth. Through engaging learning units that feature everyday topics and relatable LEGO® minifigures, students can utilise building elements to create stories and tackle real-world problems.

This 449-piece set includes four Minifigures, a variety of easy-build elements, LED Matrix, Colour Sensor, Motors and more. The colour-coded sorting trays streamline building and expedite end-of-class clean-up. Numbered tiles provide visual maths practice, transforming maths into a relevant, creative, and engaging activity.

Includes 5 units adhering to national standards for lower and upper primary grades. Each unit contains seven to eight 45-minute lessons, plus language arts and math extensions for each lesson, amounting to 50 hours of classroom content.

Single	$480.00 ex GST	$528.00 inc GST	SKU 58237186
5 Pack	$2,300.00 ex GST	$2,530.00 inc GST	SKU 58237241
15 Pack	$6,600.00 ex GST	$7,260.00 inc GST	SKU 58237242

BRICQ MOTION PRIME — YEARS 5-8

An engaging hands-on STEAM solution that will challenge your students to apply their scientific inquiry skills to provide evidence of the change in an object's motion based on its force and mass. It engages pupils in years 5-8 (primary and secondary school) in STEAM learning as they experiment with forces, motion and interactions in the context of sports.

This 564-piece set includes four Minifigures, a variety of easy-build elements, such as gears, weighted bricks, springs, and more. The colour-coded sorting trays streamline building and expedite end-of-class clean-up.

The set contains standards-aligned lessons that include instructional videos and printable worksheets to motivate and invigorate learners. Furthermore, teachers are provided with lesson plans, teacher videos, assessment rubrics, as well as math and literacy extensions to bolster and facilitate instruction.

Single	$215.00 ex GST	$236.50 inc GST	SKU 58237185
5 Pack	$1,030.00 ex GST	$1,133.00 inc GST	SKU 58237239
15 Pack	$2,970.00 ex GST	$3,267.00 inc GST	SKU 58237240

SPIKE™ PRIME SET — YEARS 5-8

SPIKE Prime equips learners with the skills to solve problems effectively. Critical thinking, data analysis, and decomposition of difficult tasks into manageable chunks are techniques students learn with this set. By breaking down complex issues, they can then prototype creative solutions with true relevance to reality.

Students are inspired to experiment, construct, and iterate with LEGO® Education SPIKE™ Prime. This set provides a secure space for them to construct prototypes and develop creative solutions to real-world problems. As they tinker and learn, they cultivate resilience in the face of failure, preparing them for the dynamic future ahead.

SPIKE Prime is accompanied by user-friendly "Getting Started" guides and STEAM learning activities that meet standards-based objectives. Additionally, a comprehensive, competency-based professional development program is provided to help educators foster successful STEAM learning experiences that can help their students thrive.

Single	$630.00 ex GST	$693.00 inc GST	SKU 58237187
5 Pack	$3,020.00 ex GST	$3,322.00 inc GST	SKU 58237243
15 Pack	$8,700.00 ex GST	$9,570.00 inc GST	SKU 58237244

LEGO® LEARNING SYSTEM

8 brain-building skills students develop through playful learning.

LEGO® Education Takes Playful Learning Seriously

Our world is changing fast-and the way children learn needs to change with it. Learning through play offers a holistic experience that allows students to engage both sides of their brain, build a diverse skill set, and develop a love for learning and growth mindset that is critical for their future.

Recently The LEGO Foundation analysed 369 studies from more than 40 countries to uncover evidence connecting learning through play and cognitive and creative skills development.

- 64% of the studies showed a positive link between learning through play and a cognitive sub-skill.
- 54 studies showed a positive link between learning through play and creativity.
- Learning through play has been connected with a child's positive affect and enjoyment.
- Learning through play has been connected to creative thinking – especially between imaginative play (such as brick-based play) and divergent thinking.

Transform STEAM education & cultivate enthusiasm in the classroom with the LEGO® Learning System.

This intuitive, flexible, and adjustable approach to hands-on learning readies students for success in the future, broadening their skillset and inspiring them as life-long learners with unlimited possibilities for hands-on, creative STEAM education.

The comprehensive LEGO® Learning System can be adopted for primary and secondary education, with or without technology. It can be implemented all at once or gradually as students progress. Year after year, learners develop their knowledge of STEAM principles, improving their abilities to approach problems hands-on, engage in systematic creativity, and think critically, cooperatively, and articulately.

LEGO® Learning System
Curriculum • Programming • Bricks
Hardware • Professional Development

Benefits of the LEGO® Learning System

Teacher Benefits

- Engaging for both teachers and students
- Inclusive for all learning abilities
- 400+ Lesson plans
- Support portal for exceptional support & guidance
- Opportunity to compete in FIRST® LEGO® League

Student Benefits

- Engaging hands on learning
- Inclusive for all learning abilities
- Familiar Stackable LEGO® Bricks
- Opportunity to compete in FIRST® LEGO® League

More Info

Book a Demo

3D PRINTING

ADVENTURER 5M PRO STARTER BUNDLE

Includes
- 1x Adventurer 5M Pro 3D Printer
- 3x PETG HS Flashforge Filament 1kg*
- 3x PLA HS Flashforge Filament 1kg*
- 1x Nozzle - 0.4mm
- 1x 3D Printing Guide Book
- 1x Toolkit
* Assorted colours

$**1,250**00 EX
$**1,375**00 INC
SKU 56237283

SAVE

ADVENTURER 5M STARTER BUNDLE

Includes
- 1x Adventurer 5M 3D Printer
- 3x PETG HS Flashforge Filament 1kg*
- 3x PLA HS Flashforge Filament 1kg*
- 1x Nozzle - 0.4mm
- 1x 3D Printing Guide Book
- 1x Toolkit
* Assorted colours

$**950**00 EX
$**1,045**00 INC
SKU 56237282

SAVE

FLASHFORGE CREATOR PRO 2 STARTER BUNDLE

Includes
- 1x Creator Pro 2 3D Printer
- 6x PLA Flashforge Filament 1kg*
- 3x Build Tape
- 2x Nozzles - 0.4mm
- 1x 3D Printing Guide Book
- 1x Toolkit
* Assorted colours

$**1,054**00 EX
$**1,159**40 INC
SKU 56216780

SAVE

FLASHFORGE CREATOR 3 PRO STARTER BUNDLE

Includes
- 1x Creator 3 Pro 3D Printer
- 6x PLA Flashforge Filament 1kg*
- 3x Build Tape
- 2x Nozzles - 0.4mm
- 1x 3D Printing Guide Book
- 1x Toolkit
* Assorted colours

$**3,090**00 EX
$**3,399**00 INC
SKU 56226826

SAVE

FLASHFORGE FOTO 8.9S STARTER BUNDLE

Includes
- 1x Foto 8.9s Resin 3D Printer
- 3x Flashforge Washable Resin 500ml*
- 1x Filter Paper 100 Pack
- 2x NFEP Film
- 1x 3D Printing Guide Book
* Assorted colours

$**1,350**00 EX
$**1,485**00 INC
SKU 56226827

SAVE

FLASHFORGE GUIDER 3 STARTER BUNDLE

Includes
- 1x Guider 3 3D Printer
- 6x PLA Flashforge Filament 1kg*
- 3x Build Tape
- 1x Nozzle - 0.4mm
- 1x 3D Printing Guide Book
- 1x Toolkit
* Assorted colours

$**3,180**00 EX
$**3,498**00 INC
SKU 56237054

SAVE

3D PRINTING

FLASHFORGE ADVENTURER 5M PRO 3D PRINTER

NEW!

The **NEW** Adventurer 5M Pro is a high speed Core XY 3D printer capable of printing at speeds of up to 600mm/s. Combined with its enclosed design & 280 degree high temperature nozzle, for printing engineering materials, the Adventure 5M Pro is the ideal high performance, low cost 3D printing solution for schools.

Auto Bed Levelling - Equipped with a cutting-edge 25 point auto-leveling system that effortlessly calibrates the nozzle height according to the build plate - no manual effort required!

Next Level Speed - Equipped with a maximum speed of 600mm/s, the Adventurer 5M Pro redefines high-speed 3D printing, allowing you to print even the most complex builds in a matter of hours!

Two-Layered Filter System - Designed with a two-layered filter system that not only works to protect your respiratory system, but also blocks 99% of particles and VOCs. Its dual filtration technology ensures both internal and external circulation, thanks to its HEPA13 and activated carbon filters.

PEI Flexible Build Plate - A new PEI build plate allows easier model removal and stronger adhesion, helping to eliminate warping.

Super Quiet Printing - Experience the near-silent sound of the Adventurer 5M Pro, the quietest 3D printer from Flashforge. Operating at just 50dB, you can work undisturbed and uninterrupted!

Build Volume - 220 x 220 x 220 mm | **Max Speed -** 600 mm/s

$**900**$^{00} EX
$**990**$^{00} INC
SKU 56237204
SAVE

FLASHFORGE EDUCATION BUNDLES

BEST SELLERS!

Specifically created to meet the challenges of the school classroom environment our Flashforge Education bundles include everything a teacher needs to ensure easy, reliable and effective use of 3D printing in a modern classroom.

Flashforge 3D printers have proven themselves to be reliable and capable workhorses that are simple to use and maintain. With rich feature sets teachers and students have the ability and scope to print almost anything they want in a wide variety of materials.

Having two printers halves printing time and offers redundancy should a printer need maintenance. Included are sufficient consumables, spare parts and accessories to get you started and keep you going for some time.

PrintLab Classroom - 3D Printing Projects & Training
The optional PrintLab Classroom is an online platform that provides 3D printing lesson plans and certified training courses for educators, and fully resourced projects for students. The PrintLab mission is to upskill and support educators with everything they need to teach 3D printing in meaningful ways, so they can focus on teaching.

ADVENTURER 5M BUNDLE

Bundle Includes
• 2x Adventurer 5M 3D Printers
• 6x PLA HS Flashforge Filament 1kg*
• 6x PETG HS Flashforge Filament 1kg*
• 4x Nozzles - 0.4mm
• 1x 3D Printing Guide Book
• 1x Toolkit
• 1x PrintLab Subscription (optional extra)
* Assorted colours

ADVENTURER 5M PRO BUNDLE

Bundle Includes
• 2x Adventurer 5M Pro 3D Printers
• 6x PLA HS Flashforge Filament 1kg*
• 6x PETG HS Flashforge Filament 1kg*
• 4x Nozzles - 0.4mm
• 1x 3D Printing Guide Book
• 1x Toolkit
• 1x PrintLab Subscription (optional extra)
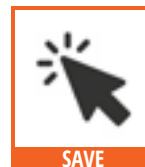* Assorted colours

GUIDER 3 BUNDLE

Bundle Includes
• 2x Guider 3 3D Printers
• 6x PLA HS Flashforge Filament 1kg*
• 6x PETG HS Flashforge Filament 1kg*
• 4x Pro Nozzle - 0.4mm
• 4x Build Tape
• 1x 3D Printing Guide Book
• 1x Toolkit
• 1x PrintLab Subscription (optional extra)
* Assorted colours

$**1,818**$^{00} EX
$**1,999**$^{80} INC
SKU 56247303
SAVE

$**2,490**$^{00} EX
$**2,739**$^{00} INC
SKU 56237284
SAVE

$**6,180**$^{00} EX
$**6,798**$^{00} INC
SKU 56247304
SAVE

Need a custom bundle? Call us on 1800 634 050 or email sales@cdsoft.com.au

3D PRINTING

FLASHFORGE FILAMENTS

Flashforge filament uses the highest quality materials giving you reliable, trouble free printing.
* Save 10% on selected filaments when you buy 5 or more spools of a type!

MORE INFO

STANDARD — BEST SELLERS!

PLA PRO (1KG)*

Formulated to produce greater, strength and ductility than standard PLA but with the same low warping and easy support removal. Suits most projects.

Colours available
- Black
- Pink
- Blue
- Purple
- Green
- Red
- Grey
- White
- Orange
- Yellow

PLA MATTE (1KG)*

Formulated to produce greater, strength and ductility than standard PLA but with the same low warping and easy support removal. Suits most projects.

Colours available
- Cream
- Mango
- Honeydew
- Pink
- Ice Blue
- Sea Green
- Lavender
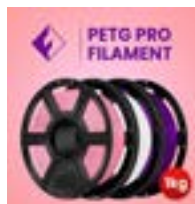- Slate Blue
- Light Coral
- Turquoise

PETG PRO (1KG)*

A semi-rigid material with good impact resistance (think water bottles) PETG is easy to print with as it has little to no warping.

Colours available
- Black
- Pink
- Blue
- Purple
- Green
- Red
- Grey
- White
- Orange
- Yellow

ABS PRO (1KG)*

An ideal plastic for projects that demand high strength with flexibility and durability. Formulated to reduce warping to a minimum.

Colours available
- Black
- Pink
- Blue
- Purple
- Green
- Red
- Grey
- White
- Orange
- Yellow

SPECIALTY — NEW

PLA SILK (1KG)*

PLA Silk is a great filament choice for projects that require a glossy finish. It is glossier than PLA Pro but still features low warping and easy support removal.

Colours available
- Blue
- Metal Grey
- Coffee
- Red
- Copper
- Silver
- Gold
- Skin
- Light Green
- Violet

PLA METAL (1KG)

PLA Metal is a great filament choice for projects that require a metalic finish. Giving your 3D printing projects a metalic look has never been easier!

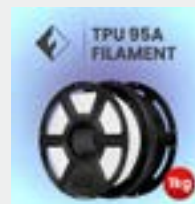**Colours available**
- Aluminium
- Bronze
- Copper

TPU 95A (1KG)

TPU 95A is a great filament choice for projects that require flexibility and good impact resistance. Commonly used to make phone cases, shoes and bouncy balls!

Colours available
- Black
- White

PVA (500G)

PVA is a soft water-soluable filament which is commonly used to print dissolvable support structures. It is a great filament choice for detailed and intricate prints that require support structures in tight places.
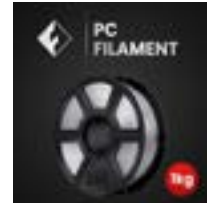
Colours available
- Natural

ENGINEERING — NEW

PC (1KG)

PC is a high performance recyclable matreial that is commonly used in lighting, electrical and electronic equipment as well as optical applications. This is due to it's lightweight, heat resistance, UV protection and high impact strength.

Colours available
- Natural

ASA (1KG)

ASA is an all-purpose 3D printing material suitable for many different applications. It has a similar chemical makeup to ABS but offers improvements in mechanical properties, aesthetics and UV resistance.

Colours available
- Black
- White

PA12-CF (1KG)

PA12-CF (Nylon Carbon Fiber) is a 3D printing material suitable for projects that require high strength, high abrasion and good heat resisitance. It is commonly used in industries such as automotive, aerospace and industrial.

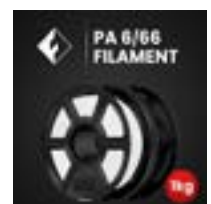**Colours available**
- Black

PA6/66 (NYLON) (1KG)

PA6/66 (Nylon) is a special blend that takes full advantage of the strengths of both PA6 and PA66. Nylon has strong mechanical strength and deforms less than other filaments making it perfect for intense and specific engineering projects.

Colours available
- Black

For bulk pricing and more information please visit bit.ly/ff-filament

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educational resources

UP MINI 3 3D PRINTER — NEW

Fully Automatic Nozzle Height and Platform Levelling

Tiertime introduces a fully automatic nozzle height and platform levelling system with innovative load sensing based on nozzle pressure for the perfect first layer every time!

FEATURES

Build Volume	195x195x205mm
Nozzle Diameter	0.4mm
Layer Resolution	0.10-0.35mm
Connectivity	USB cable, and WiFi
Touch Screen	4.3" LCD
Filtration	HEPA and activated carbon filter
Supported OS	Windows 7/8/10, Mac OS X, iOS 8.x/9.x
Dimensions	487 × 423 × 550mm (W x H x D)
Net Weight	15kg
Print Resume	Yes
Print Pause	Yes
Filament Detection	Yes
Operating Volume	47dB

$**1,599**$^{00} EX
$**1,758**$^{90} INC
SKU 56226990

MORE INFO

UP 300 3D PRINTER

Material-Specific Print Heads - One is for ABS and other high temperature filaments, one for lower temperature filaments such as PLA, and the other is for TPU, a flexible polyurethane.

Dual Filtration Systems - A HEPA and activated carbon filter combined with higher airflow capacity allows the maintaining of minimal UFP and VOC density inside the printer's large enclosure.

Interchangeable Build Plates - New double-sided build plate design allows for easier print job removal due to its rigidity.

Tiertime Print Queue - Allows multiple users on the network to become the queue's administrator, controlling and re-ordering the print queue.

Build Volume - 205 x 255 x 225 mm.

$**3,179**$^{00} EX
$**3,496**$^{90} INC
SKU 56185839

MORE INFO

UP (TIERTIME) FILAMENT

UP filament comes in a 2 pack of 500g spools.

Save 10% when you buy 5 or more packs of a type.

ABS UP ORIGINAL

The "Original" formulation is ideal for small complicated projects which require extensive support. Support breaks away easily with minimal bruising of the final object. Matte finish. Warps more than ABS+.

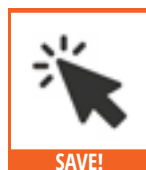$**69**$^{00} EX
$**75**$^{90} INC
SKU 56165045*

SAVE!

ABS+ UP PREMIUM

The ABS+ formulation is ideal for larger projects where warping may be a factor and/or minimal support is required. Gloss finish. Warps less than ABS Original.

$**98**$^{00} EX
$**107**$^{80} INC
SKU 56155046*

SAVE!

PLA UP PREMIUM

The PLA formulation is ideal for the fast printing of projects of all shapes and sizes. Ideal for protoyping before printing in ABS. Gloss finish.

$**79**$^{00} EX
$**86**$^{90} INC
SKU 56165052*

SAVE!

UP X5 3D PRINTER

WELCOME TO CONTINUOUS 3D PRINTING

The X5 is an automated 3D manufacturing printer, that turns your workspace into a production line for continuous printing. Specifically designed for schools that require printing hundreds of parts a week. The X5 carries on printing after the first print is done and can queue up to 8 print jobs in a continuous print run.

FEATURES
- Hands-free ejecting and reloading of perfboards.
- Queue up to 8 print jobs in a print run.
- Perfboard tray holds 12 pieces at a time.
- Dual filtration system - HEPA + Activated Carbon filters.
- Build Volume: 180 x 230 x 200 mm.
- **Ships with PLA Extruder.**

$**6,199**$^{00} EX
$**6,818**$^{90} INC
SKU 56185677

MORE INFO

LASER CUTTING

XTOOL P2 - 55W CO2 LASER CUTTER & ENGRAVER — NEW!

Discover the power of the xTool P2 laser cutter, a 55W CO2 versatile machine perfect for all your cutting and engraving needs.

Dual 16MP Smart Cameras - Easily drag your drawings to the perfect spot with the help of high-accuracy live preview and auto-focus features.

Curved Surface Engraving - Say goodbye to time-consuming challenges and expand possibilities with the effortless creation of flawless 3D models for curved surface engraving. Now, a wider range of materials and objects is at your fingertips.

55W Laser Tube - The P2 is perfect for effortlessly cutting through 18mm black walnut and 20mm acrylic in a single pass with its powerful laser tube.

Batch Engraving - The innovative xTool P2 uses its built-in camera to accurately determine the shape of any material placed in its path. It then effortlessly duplicates the desired quantity, making your work process faster and more efficient!

Rotary Compatible - The P2 in combination with the RA2 Pro rotary attachment (which can be purchased separately), allows for precise engravings on various objects such as tumblers, mugs, and rings, transforming each item into a masterpiece.

Class I Laser Safety Certification - The P2 comes full of safety features to keep you safe while operating the machine, such as an automatic locking lid when cutting and engraving, an emergency stop button, advanced light filtering enclosure and has an optional fire safety set that can detect flames, trigger an alarm and extinguish the fire!

FEATURES

Working Volume:	600 x 308 x 64 mm
External Dimensions:	1000 x 639 x 268 mm
Weight:	45kg
Laser Type:	55W CO2
Laser Classification:	Class 1 (the safest!)
Software:	xTool Creative Space, Lightburn
Air Assist:	Included
Rotary Compatible:	Yes

$8,450.00 EX
$9,295.00 INC
SKU 56237265

MORE INFO

FLUX CO2 LASER CUTTERS & ENGRAVERS — SAVE 5% & FREE FREIGHT

FLUX manufactures high quality, high performance CO_2 laser cutters & engravers that are accessible and usable by everyone. With four models to choose from they have one that will suit your needs.

Engrave & Cut a Wide Range of Materials! - Create your next masterpiece on a wide range of materials from wood and acrylic to stone and stainless steel.

Built in HD Camera - Drag and drop your design to the perfect position or use the auto alignment to center it, then preview your design on your material using the built in HD camera to ensure a perfect finished product!

Wireless Connectivity - All FLUX Laser Cutters come fully equipped with Wi-Fi connectivity allowing you to monitor work status, update settings and transfer files. Download the Beam Go app on your mobile or tablet and cut/engrave drawings or photos almost instantly!

Easy to Use Software - Beam Studio includes a material library with preset power and speed settings for commonly used materials. These settings are also customisable.

Add-Ons Available - Engrave on curved objects with a rotary add-on or speed up your processes with the Autofocus Add-On.

Model	Power	Maximum Engraving Speed (mm/s)	Overall Machine Dimensions (mm)	Work Area (mm)	Price (ex GST)	Promo Price (ex GST)
Beamo	30W	300	615x445x177	300x210x45	**$ 3,795.45**	
Beambox	40W	300	800x670x250	400x375x80	$ 5,495.45	**$5,199.00**
Beambox Pro	50W	300	990x6702x50	600x375x80	$ 6,544.54	**$6,199.00**
Hexa	60W	900	1110x670x273	730x410x125	$ 11,772.72	**$11,199.00**

MORE INFO

XTOOL S1 - 40W DIODE LASER CUTTER & ENGRAVER — NEW!

A revolutionary laser cutter & engraver boasting a powerful 40W enclosed diode and fast-swappable laser modules!

High Power Cutting - Achieve high power cutting efficiency with 40W by combining eight 5.5W lasers using advanced laser compression technology, comparable to CO2 machines.

Auto-focus - Featuring an advanced intelligent focusing system that allows for multi-point focus adjustment and 3D object automation. Its electric Z-axis dynamically refines focus, resulting in precise engraving similar to a flat surface.

IR Laser Module - Utilising a specialised 2W 1064nm IR laser (which can be purchased separately), the xTool S1 offers a wider range of material options for your engravings, including all-metals, acrylic, and plastic. Ideal for creating precise and detailed designs.

FEATURES

Working Volume:	498 x 319 x 42 mm
External Dimensions:	765 x 561 x 183 mm
Weight:	20kg
Software:	xTool Creative Space, Lightburn
Air Assist:	Not Included
Rotary Compatible:	Yes

$3,490.00 EX
$3,839.00 INC
SKU 56237256

MORE INFO

EMBLASER 2 - DIODE LASER CUTTER & ENGRAVER — NEW 10W LASER UNIT

One of Australia's most popular laser cutters just got an incredible upgrade. We're pleased to be able to bring you the new 10W laser unit with enormous advancements in both cutting and engraving performance.

Faster Cutting - Cut 3mm Polar Play 2.5X faster, 6mm Poplar Ply 3.4X, 3mm MDF 3X, Acrylic 1.7X

Finer Engraving Detail - The 10W laser unit features a finer laser beam. This creates double the amount of detail and offers more control when shading and engraving.

Easy Cleaning - Darkly Labs have redesigned the lens mechanism and it now features a removable quartz cap that protects the lens from debris and makes cleaning a breeze. You will no longer need to touch the lens; this will extend its life and keep the lens performance optimal.

FEATURES

Working Volume:	500 x 300 x 50 mm
External Dimensions:	540 x 720 x 200 mm
Weight:	12kg
Laser Unit Type:	Laser Diode
Laser Power:	10 Watts NEW!
Laser Classification:	Class 1 (the safest!)
Software:	Lightburn
Air Assist:	Included

EMBLASER 2 COMPLETE KIT

$4,999.00 EX
$5,498.90 INC
SKU 56175384SL10W

MORE INFO

$3,799.00 EX
$4,178.90 INC
SKU 56175379SL10W

MORE INFO

XTOOL M1 - 10W DIODE LASER ENGRAVER & VINYL CUTTER — NEW!

A revolutionary desktop machine that combines laser engraving, laser cutting, and blade cutting into one unit - giving you the flexibility to create from a multitude of materials.

2-in-1, Multifunctional Crafting - Unlock a world of crafting potential with the World's First Laser Engraver and Vinyl Cutter. Utilize an ultra wide range of materials to create your own unique projects!

Blade for Vinyl Cutting - A blade cutter offers optimal performance for DIY projects on materials such as T-shirts, canvas bags, leather, paper, fabric, iron/on and felt. It's an excellent choice for detailed sign and logo making where a laser cutter may not be the best option.

Auto Focus - With the easy press of the "auto-focus" button, xTool M1 can take care of the job - no more complicated manual work needed!

FEATURES

Working Volume:	385 x 300 x 16 mm
External Dimensions:	557 x 453 x 230 mm
Weight:	9.8kg
Software:	xTool Creative Space
Air Assist:	Not Included
Rotary Compatible:	Yes

$1,690.00 EX
$1,859.00 INC
SKU 56237249

MORE INFO

3D SCANNING & PLASTIC FORMING

MAGIC SWIFT PLUS 3D SCANNER — NEW

Magic Swift Plus is an affordable and versatile 3D scanner with exceptional accuracy.

Each Magic Swift Plus is calibrated in the factory so its ready to use out of the box. With its combined auto alignment, you can get your first scan done quick and easily.

The Magic Swift Plus' versatility comes from it's ability to be used with a turntable and tripod (supplied) for smaller objects and freehand for larger objects. With a 10 fps frame rate, a 400 x 250 mm capture window and a 250 to 600mm working distance you can get those bigger scans done in a small amount of time.

JM Studio has a streamlined and intuitive user interface. 3D models can be exported in several commonly used formats (STL, OBJ, PLY).

Includes
- 1x Magic Swift Plus 3D Scanner
- 1x Tripod
- 1x Turntable
- 1x Data Transmission Cable
- 1x Turntable Control Cable
- 1x Carrying Case
- Power Adapter

$900⁰⁰ EX
$990⁰⁰ INC
SKU 56237053

MORE INFO

EINSTAR 3D SCANNER — NEW

The EinStar makes 3D scanning affordable and accessible for everyone without compromising quality and speed.

You can digitise the world around you like never before!

Stable Outdoor Scanning - Equipped with 3 Infrared VCSEL Projectors, 2 Stereo Depth Cameras and 1 RGB Camera, EinStar can capture clear scan data outdoors in broad daylight.

High Colour Fidelity - Full colour scanning with a built-in RGB camera. Collect accurate colour data for the perfect replica.

Extremely Easy to Use
- Ergonomic design
- Only one USB cable for data transmission and power
- Clear and elegant workflow for scanning and post processing
- Easy to setup, plug and play

$1,450⁰⁰ EX
$1,595⁰⁰ INC
SKU 56226993

MORE INFO

VAQUFORM DESKTOP VACUUM FORMER

Vaquform is a manually operated vacuum forming machine that can produce industrial-grade plastic moldings while being compact enough to fit on a desktop.
This machine is the first of its kind to provide a user interface that is similar to what you might find in your smart appliances. There are pre-programmed process controls and user sensors that make it easy to use. Vaquform can form 0.30mm to 3.00mm plastic sheets (330mm x 250mm) with a maximum draw height of 200mm.

BUILT-IN HYBRID VACUUM: Combines high airflow and vacuum, speed and power.

EASY TO USE: The built-in process controls and ergonomic design make forming effortless.

AUTOMATIC HEATING: Regulated by sensors, the industrial grade ceramic heaters ensure consistent and safe heating of plastic sheets.

PRECISE CONTROLS: Customize the temperature (up to 1°) and vacuum power needed for each pull.

$1,850⁰⁰ EX
$2,035⁰⁰ INC
SKU 56195956

MORE INFO

CR CLARKE VACUUM FORMER 725FLB

Considered the Rolls Royce of vacuum formers in its class 725FLB has been developed for high performance, ease of use and low maintenance. All machines are fitted with a -0.83 bar vacuum pump, which also provides a blow release to assist in the removal of the forming. Ceramic heater systems are used for fast and even heating. Heater hoods and platens run on chrome plated slide bars with nylon bushes for smooth operation. Machines are fitted with a safety interlock to prevent damage to the heaters when using a tall mould. The one-piece moulded silicone top seal is heat resistant for long service, while the platen seal simply lifts out for ease of maintenance.

- Designed for educational use.
- Safe to use.
- Easy to use.
- Tested in classrooms around the world.
- Maximises opportunities for direct student use.
- Maximises the process of learning through making.

$7,950⁰⁰ EX
$8,745⁰⁰ INC
SKU 14144675

MORE INFO

cd–soft educational resources

EDISON ROBOT KIT V3

NEW VERSION!

The Edison robot is a powerful, engaging tool for teaching kids computational thinking and computer coding in a hands-on way. With more built-in sensors than any robot in its class as well as lights, sounds and autonomous behaviour capabilities, Edison makes true robotics education accessible to students of all ages.

NEW FEATURES!

Rechargeable Battery - Offering over 60 minutes of uninterrupted driving time

USB Programming - Easily connect Edison V3 to your computer with the included USB cable which is conveniently attached and can be neatly tucked away underneath the robot.

Enhanced Microchip - Experience a leap in technology with a sophisticated microchip that enhances programming abilities and provides advanced educational opportunities.

Refined Electronics - Improved reliability and efficiency! Our meticulously fine-tuned electronics promise robust and dependable products.

iPad Coding - Apple's iOS devices (iPads) do not allow websites or apps to access their data port. For iOS devices programs are downloaded via screen flashing to the Edison V3 line tracking sensor.

Edison Robot Single
$59.00 Ex $64.90 Inc
SKU 51247288

Edison Robot 10 Pack
$545.00 Ex $599.50 Inc
SKU 51247289

Edison Robot 30 Pack
$1,590.00 Ex $1,749.00 Inc
SKU 51247290

MORE INFO

EDSKETCH   NEW

Marker Pens (10 Pack)
$19.99 Ex
$21.99 Inc
SKU 51226819

Pen Holder (10 Pack)
$19.99 Ex $21.99 Inc   SKU 51226818

EdSketch Pack (10 Holders & 10 Pens)
$39.00 Ex $42.90 Inc   SKU 51227023

PACKS & BUNDLES / SAVE 10%

NEW! Edison Value Bundle
$769.00 Ex $845.90 Inc   SKU 51247296

NEW! Edison Creator Value Bundle
$950.00 Ex $1,045.00 Inc   SKU 51247297

NEW! Edison Class Bundle
$2,390.00 Ex $2,629.00 Inc   SKU 51247298

NEW! Edison Creator Class Bundle
$2,890.00 Ex $3,179.00 Inc   SKU 51247299

SAVE!

PARTS & ACCESSORIES

Edison EDMat
From $12.99 Ex $14.29 Inc   SKU 51165040

Edison EDCreate (Packs Available)
From $33.50 Ex $36.85 Inc   SKU 51185570

NEW! Edison EdCharger
$63.00 Ex $69.30 Inc   SKU 51247291

Edison Spare Skids - 20 Pack
$19.99 Ex $21.99 Inc
SKU 51206265

MORE INFO

SPHERO BOLT

- Learn to code by drawing, using Scratch blocks, or writing JavaScript text with the Sphero Edu app.
- Sphero BOLT was built to shine with a programmable 8x8 LED Matrix that animates and displays real-time data.
- BOLT to BOLT infrared communication allows for new games and advanced movements.
- Auto aim your robot thanks to the built-in compass.
- An ambient light sensor allows you to program based on your room's brightness.
- A long battery life of 2 hours per charge can handle even your biggest projects.

$ **269**⁰⁰ EX
$ **295**⁹⁰ INC
SKU 51185806
MORE INFO

SPHERO BOLT POWER PACK

What's in the Power Pack:
- 15x Sphero BOLT and Charging Base
- 15x Protractor with heading, directions, and clock
- 15x Clear Turbo Covers
- 15x Maze Tape
- Classroom Poster and 124x stickers

$ **4,359**⁰⁰ EX
$ **4,794**⁹⁰ INC
SKU 51185808
MORE INFO

UPGRADE OFFER

Upgrade your SPRK+/ SPRK robots and save on Sphero's most advanced round robot, Sphero BOLT. Conditions apply.

$ **3,636**⁰⁰ EX
$ **3,999**⁶⁰ INC
SKU 51206499
MORE INFO

SPHERO RVR+

RVR+ is optimised for the middle and high school classrooms and makerspaces. It's drivable right out of the box, packed with a diverse suite of sensors, and built for customisation. RVR+ is expandable and made for novice to advanced programmers. Students learn coding skills and computer science basics with the free Sphero Edu app or advanced programmers can level up with the Public Sphero SDK to program with Python and connect third-party hardware.

SINGLE

$ **427**⁰⁰ EX
$ **469**⁷⁰ INC
SKU 51226967
MORE INFO

EDUCATION 6 PACK

$ **2,599**⁰⁰ EX
$ **2,858**⁹⁰ INC
SKU 51226968
MORE INFO

ROBOTICS FOR EARLY LEARNERS

MATATALAB TALE-BOT PRO ROBOT

NEW!

The award winning Matalalab Tale-Bot Pro is a game changing educational toy robot for early learners on many different levels. Designed from the ground up and meticulously researched, the Tale-Bot Pro ticks all the boxes for robustness, accessibility, pedagogy and value.

Tale-Bot Pro enables young learners to create their own interactive stories by coding the Tale-Bot, completely device free. Through game-based play, kids learn and improve their coding, storytelling, and social-emotional skills along with critical "21st century skills" of Communication, Collaboration, Creativity, Critical Thinking and Computational Thinking.

FEATURES
- **Screen-free design with command buttons** - Intelligent indicators for visual tracking and easier debugging.
- **Learn commands, sequences and loops** - Introduce basic coding concepts in games.
- **Drawing and dancing through coding** - Perfectly combine coding with arts and fun
- **Voice commands** - Develop children's creativity and storytelling through the recording function.
- **Add functionality and personality** - Support kids story telling with multiple accessories.

ACTIVITY BOX

INCLUDES
- 32x Command cards
- 5x Double-sided interactive maps
- 1x Double-sided blank map
- 3x Paper skins
- 1x Activity Cards Set (42 Cases)
- 1x Callout stickers
- 1x Callout stickers quick guide
- 1x Sticker booklet
- 1x User Guide

$45.00 EX
$49.50 INC
SKU 51226982

MORE INFO

CLASSROOM KIT

SAVE

INCLUDES
- 6x Tale-Bot Pro Robots
- 6x Tale-Bot Activity Boxes
- 1x 60W 6 Port USB Charging Station

$1,150.00 EX
$1,265.00 INC
SKU 51226984

MORE INFO

SINGLE

$159.00 EX
$174.90 INC
SKU 51226981

MORE INFO

6 PACK

SAVE

INCLUDES
- 6x Tale-Bot Pro Robots
- 1x 60W 6 Port USB Charging Station

$899.00 EX
$988.90 INC
SKU 51237070

MORE INFO

SPHERO INDI

SAVE

Speed into STEAM with indi—the most approachable entry-level learning robot for ages 4+. indi inspires imaginative, play-based learning by empowering kids to design and build their own mazes while creating opportunities for students to learn the basics of coding, solve problems, and nurture computational thinking skills.

The indi learning robot is designed to introduce early learners to the fundamentals of computational thinking, STEAM, and computer science principles while encouraging open-ended, imaginative play-based learning with real-life scenarios as students build custom mazes and solve puzzles. indi offers an unplugged programming experience with an on-board colour sensor or students can kick their skills into high gear with more coding options in the free Sphero Edu Jr app.

FEATURES
- **Design & create** - design and build any maze imaginable, just like an engineer
- **Screenless learning** - sharpen computational thinking skills with the included colour tiles through hands-on interactive play
- **Coding concepts** - learn basic programming skills with our new drag and drop blocks in the Sphero Edu Jr app, designed just for indi
- **Educator resources** - seamless implementation with in-depth activities and lessons in the included support materials
- **On-board colour sensor** - the colour sensor and colour tiles provide endless opportunities to rev kids' creativity by building mazes that program indi to drive
- **Endless activities** - endless fun and learning with the printed materials that have activities with ranging complexity
- **Storage** - indi comes with specially designed cases for convenient carrying, storing, and charging.

STUDENT KIT

$225.00 EX
$247.50 INC
SKU 51216660

MORE INFO

CLASS 8 PACK

$2,250.00 EX
$2,475.00 INC
SKU 51216661

MORE INFO

cd-soft educational resources

MATATALAB VINCIBOT ROBOT

NEW!

VinciBot is a programmable robot designed for primary and seconday school children from the ages of 8 upwards. With graphical and text-based programming support, the abilty to add third-party electronic modules and more, VinciBot's diverse features allow for a wide range of applications in STEAM education such as coding, robotics competitions and creative projects.

VinciBot encourages learning by doing which helps children develop computational, design and engineering thinking while educating then about the evolving digital age.

FEATURES

- **Super Extensible** - Add diversity and creativity to your VinciBot. Being LEGO® compatible you can customise and expand your VinciBot with LEGO bricks, Technic motors, and more third-party electronic modules. You can even connect multiple robots together.
- **Preset Modes** - VinciBot comes with three preset modes for quick and easy lessons without a computer.
- **Multi-functional** - VinciBot has 8 built-in sensors which can be programmed using Scratch based coding, Python coding and Matatalab's own MatataCode App.

  - ToF LiDar Range Sensor
  - IR Transmitter
  - IR Receivers
  - Light Sensors
  - Sound Sensors
  - Line Follower Sensor
  - Colour Sensor

SINGLE

$179⁰⁰ EX
$196⁹⁰ INC
SKU 51227031

MORE INFO

6 PACK

Includes
6x VinciBot Robots
1x 60W 6 Port USB Charging Station

$995⁰⁰ EX
$1,094⁵⁰ INC
SKU 51237071

MORE INFO

VINCIBOT CREATOR KIT

The Creator Kit is an expansion pack for the VinciBot that enables creative building by the use of building blocks. The Kit includes an external motor and over 400 building blocks allowing students to construct structures and gain hands-on understanding of physical mechanisms like crankshafts, linkages and cam structures. Additionally, the Creator Kit allows for creative design by seamlessly combining VinciBot's building and programming capabilities, resulting in a wide range of interesting and dynamic forms and behaviors. This fosters the development of students' creativity, engineering thinking, and design mindset.

$90⁰⁰ EX
$99⁰⁰ INC
SKU 51237161

MORE INFO

INTELINO J-1 SMART TRAIN

SAVE

Intelino delivers STEM learning in a very familiar way - with a train! It's intuitive and not intimidating for students and teachers alike. And it comes with powerful technology and innovative features that make learning easy and truly fun. It's sure to keep kids engaged and eager to learn!

FEATURES

- **Colour Coding** - Control the train's actions like movemnent, speed, steering, stopping and the wagon coupler with colour snaps
- **A Screen-Free Start** - Kids begin learning screen-free with tactile Action Snaps, which gives them a foundation in STEM and introduces them to basic programming concepts. It's so intuitive that they can start as early as preschool!
- **Progressive Learning** - From multiple programming modes to standards-aligned lesson plans, intelino covers all stages of K-12 STEM learning.
- **Simulating The Real World** - Learning is more meaningful and relatable when experimenting with and simulating real world problems. Younger students use screen-free activities and tactile coding to operate the trains and make them run on schedule. And the older ones use the advanced tools to experiment with autonomous driving, collision avoidance, route optimization, resource sharing and much more!
- **4 Ways to Code** - Action Snap Colour Commands, App-Based Command Editor, Scratch 3.0 Extension and Python Library.

$190⁰⁰ EX
$209⁰⁰ INC
SKU 51196217

MORE INFO

INTELINO CLASSROOM SET

Includes
- 4x Smart Trains
- 4x Train Wagons
- 4x Track Kits
- 4x Command Cards
- 4x Decal Sheets
- 1x Storage Bag
- 1x 4-in-1 Cable
- 1x Charger

$750⁰⁰ EX
$825⁰⁰ INC
SKU 51226906

MORE INFO

PARTS & ACCESSORIES

Intelino Bridge Kit
$32.00 Ex $35.20 Inc   SKU 51226910

Intelino Short Track Pack
$24.50 Ex $26.95 Inc   SKU 51226909

Intelino Wooden Track Adapter Kit
$17.00 Ex $18.70 Inc   SKU 51226908

Intelino Station & Tunnel Kit
$22.00 Ex $24.20 Inc   SKU 51226912

Intelino Support Tower Pack
$32.00 Ex $35.20 Inc
SKU 51226911

Intelino Track Extension Pack
$49.00 Ex $53.90 Inc
SKU 51226907

SAVE 10%

ROBOTICS

DJI RYZE TELLO DRONE EDU

BEST SELLER!

The DJI Ryze Tello Drone EDU is an impressive and programmable drone perfect for education. You can easily learn programming languages such as Scratch, Swift, and Python. With an upgraded SDK 2.0, Tello EDU comes with more advanced commands and increased data interfaces. Complete with DJI's flight control technology, Tello EDU also supports Electronic Image Stabilization.

Advanced Programming

Mission Pads are a fantastic asset for increased programming precision. They serve not only as guiding points, but as trigger mechanisms.

FEATURES
- Learn coding with Swift, Scratch or Python
- Capture 5MP photos & 720p video
- Control Tello Edu with the iPad app
- Program a swarm of drones.
- Mission Pads offer multiple fun uses.

PARTS & ACCESSORIES

DJI Tello LIPO Battery
$24.99 Ex $27.49 Inc   SKU 51185757

DJI Tello Battery Charging Hub (3 Bay)
$22.40 Ex $24.64 Inc   SKU 51185761

DJI Ryze Tello Propellers (4 Pack)
$4.30 Ex $4.73 Inc   SKU 51185758

DJI Ryze Tello Propeller Guards (4 Pack)
$7.80 Ex $8.58 Inc   SKU 51185759

DJI Tello Talent Propellers (4 Pack)
$5.99 Ex $6.59 Inc   SKU 51216735

DJI Tello Talent Propeller Guards (4 Pack)
$12.99 Ex $14.29 Inc   SKU 51216736

GAMESIR T1D CONTROLLER

$59.00 EX
$64.90 INC
SKU 51185900

MORE INFO

EDUCATION 6 PACK

Includes
- 6x DJI Ryze Tello EDUs
- 6x Extra DJI Tello LIPO Batteries
- 2x DJI Battery Charging Hub (3 Bay)
- 8x Extra Tello Talent Propellor Guards
- 8x Extra Tello Talent Propellers

$199.00 EX
$218.90 INC
SKU 51195964

MORE INFO

$1,350.00 EX
$1,485.00 INC
SKU 51195966

MORE INFO

MAKEBLOCK MBOT V1.2 — SAVE

mBot is an all-in-one solution for beginners to enjoy a guided, hands-on experience with robotics, coding, and electronics.

Easy to Assemble - Instead of messy, complicated breadboards and wires MakeBlock have ingeniously replaced standard wiring systems with colour coded RJ25 ports that makes wiring quick, easy and intuitive enough even for the youngest budding engineer.

Wireless Control - What sets mBot apart from others is it's easy wireless control and programming. The mBot can be controlled by iOS and Android devices via Bluetooth. The new Bluetooth Dongle allows you to upload code wirelessly direct from your device.

FREE Resources - The mBot includes an abundance of free resources ready for your immediate use including coding apps and teaching courses for students of all ages.

EDU 4 PACK

$290.00 EX
$319.00 INC
SKU 51226995

MORE INFO

DJI ROBOMASTER EP CORE

The RoboMaster S1 Education Expansion Set Core (EP Core) is an all-in-one education solution for STEAM classrooms. It provides an official SDK that can be used with powerful mechanical accessories and interfaces to expand hardware possibilities. Together with rich teaching resources and a continually-updated competition database, the EP Core delivers a new classroom experience to make education easier for both teachers and students, expanding the boundaries of the future of education.

Cutting-Edge Equipment & Technology
Made of steel and finished with a sleek, futuristic design, the RoboMaster EP Core is fully equipped with cutting-edge technologies that provide consistent support for classroom learning.

$1,360.00 EX
$1,496.00 INC
SKU 51206484

MORE INFO

Use your phone camera to scan our QR codes

ROBOTICS

BBC MICRO:BIT ROBOTICS

BEST SELLERS!

ELECFREAKS SMART CUTEBOT

This simple and very cute robot includes an ultrasonic sensor, two RGB LED headlights, clearance lamps on the bottom, two line-tracking probes, an active buzzer as the horn and so on!

$45⁰⁰ EX
$49⁵⁰ INC
SKU 57216785

MORE INFO

4TRONIX MINIBIT

The Minibit is the younger sibling of the popular and well-loved Bit:Bot. It comes ready-built (wheels need pushing on, and the pen holder top part can be screwed on if required).

$49⁰⁰ EX
$53⁹⁰ INC
SKU 51206327

MORE INFO

MICRO MAQUEEN LITE

A micro:bit-based robotics kit for STEM learning, with playability and easy operation included. Its mini-size, attractive features, and plug-and-play setup help kids learn graphical programming in a fun way, encouraging their scientific and logical skills.

$57⁰⁰ EX
$62⁷⁰ INC
SKU 51196013

MORE INFO

SMART CUTEBOT PRO

Cutebot Pro is a programming robot for STEAM education equipped with a 4-way infrared line-following sensor, an encoder motor, LED rainbow lights, ultrasonic sensor, and more!

$79⁰⁰ EX
$86⁹⁰ INC
SKU 57237225

MORE INFO

4TRONIX BIT:BOT XL

The BitBot XL, takes the much-loved BitBot to the next level. Several changes have been made, some subtle, some not so subtle, to give a much-improved experience of using and working with the BitBot.

$75 EX
$82⁵⁰ INC
SKU 51196173

MORE INFO

MICRO MAQUEEN PLUS V2

An advanced version of micro:Maqueen Lite (4.0), which is more powerful and intelligent. Compatible with the new Scratch 3.0 the Maqueen is the perfect platform to extend your micro:bit.

$85⁰⁰ EX
$93⁵⁰ INC
SKU 51226903

MORE INFO

KITRONIK :MOVE MINI V2

The :Move mini is a 2 wheeled robot that is suitable for autonomous operation, remote control projects via a Bluetooth application or being controlled using a second BBC micro:bit.

$45⁰⁰ EX
$49⁵⁰ INC
SKU 57196131

MORE INFO

ELECFREAKS TPBOT CAR

TPBot is a tough and durable smart coding car robot designed for the micro:bit. What sets it apart from other robot cars on the market is its preset functions that don't require a micro:bit.

$63⁰⁰ EX
$69³⁰ INC
SKU 57216625

MORE INFO

4TRONIX M.A.R.S. ROVER

The 4tronix M.A.R.S. Rover is loosely based on the Curiosity and Mars 2020 rovers from NASA/JPL. It uses the same rocker arm, bogey and differential arm mechanism.

$270⁰⁰ EX
$297⁰⁰ INC
SKU 51206223

MORE INFO

ELECFREAKS XGO ROBOT V2

NEW!

The Elecfreaks micro:bit XGO Robot Kit V2 is a bionic robot dog kit specifically designed for teaching machine learning and coding uisng MakeCode and Python.

FEATURES

- **Intelligent Robotic Arm** - XGO's 3-axis robotic arm can grab and pick up objects as well as push and carry them!
- **IMU Sensor** - Equipped with a 6-axis IMU, current sensors and joint position sensors to provide its own attitude feedback. This can be used for algorithm verification and secondary teaching.
- **Multiple Applications** - Program the Jostick:bit to control XGO V2 through the MakeCode platform or use the self-developed app to control XGO V2.

$745⁰⁰ EX
$819⁵⁰ INC
SKU 57231944

MORE INFO

KITRONIK MAKECODE ARCADE

Kitronik ARCADE is a programmable gamepad for use with MakeCode Arcade. It has been specifically designed to offer the perfect platform for running games created in MakeCode Arcade.

Featuring a full colour LCD wide viewing angle screen, a piezo buzzer for audio feedback, a vibration motor for haptic feedback, 6 gamer input buttons, a menu button, a reset button and an on/off switch. Everything you need for the perfect gaming experience.

For the advanced user, there are 2 expansion ports and a debugging port. The expansion ports give you direct access to the microprocessor pins and the debug port allows you to customise the bootloader code.

SINGLE

$69$⁰⁰ EX

$75$⁹⁰ INC

SKU 57206295

MORE INFO

CLASS PACK

$720$⁰⁰ EX

$792$⁰⁰ INC

SKU 57206296

MORE INFO

SPARKFUN MICRO:ARCADE KIT V2.0

The SparkFun micro:arcade kit for micro:bit v2.0 includes a controller:bit carrier board, which gives you access to a number of pins in the form of buttons laid out in a similar form factor to the original Nintendo Entertainment System controller.

With this kit you will be able to turn a classic controller into an arcade cabinet by connecting just a few buttons and switches.

The kit does not require any soldering and is recommended for anyone curious about gaming or the micro:bit platform. When you are ready to control more than just games, the SparkFun controller:bit is equipped with the SparkFun Qwiic system to allow you to expand your curiosity to an ever growing ecosystem of sensors & controllers!

$89$⁰⁰ EX

$97$⁹⁰ INC

SKU 57216639

MORE INFO

RETRO MAKECODE ARCADE GAME CONSOLE

The RETRO Arcade for Education is the first Arcade device with a large high resolution screen. Create your very own games in a fun and easy way uisng the popular Microsoft MakeCode Arcade blockly interface. The Retro Arcade allows for a self-defined games, multiple game scenarios and plots design. It has a surprising number of built-in sensors a giving students more oppotunities to create.

FEATURES

- **Large Display -** 320 x 240 px high resolution colour display, four times the standard for screens of that size.
- **Building Block Compatible -** Makes construction easier and more enjoyable.
- **Silicone Buttons** - Provides a comfortable handling experience.
- **Eco Friendly & Colourful** - The Retro Arcade shell is made from ABS & PC, environment-friendly materials. The shells are colourful, highly durable and safe

$90$⁰⁰ EX

$99$⁰⁰ INC

SKU 57216720

MORE INFO

MICRO:BIT RETRO PROGRAMMING ARCADE

The Elecfreaks micro:bit Retro Programming Arcade is a joystick expansion board for the micro:bit with a 160x128 TFT screen, 4 directional buttons, 2 A/B buttons and a reset button. It can be used with the BBC micro:bit v2 to program online games and play offline using the Microsoft Arcade programming platform.

micro:bit Retro Programming Arcade is a simple and fun way to help children learn to program their own games and understand the mystery behind them. Using graphical programming software you can also create custom game characters, diverse scenarios and plot design, making it easy for everyone to achieve fun and unlimited game ideas.

Can also be used as a wireless remote controller for the Elecfreaks Smart CuteBot (page 11).

$45$⁰⁰ EX

$49$⁵⁰ INC

SKU 57237154

MORE INFO

CODING & ELECTRONICS

BBC MICRO:BIT V2.21

BEST SELLER!

BBC MICRO:BIT	BBC MICRO:BIT GO	BBC MICRO:BIT EX

	BBC MICRO:BIT	BBC MICRO:BIT GO	BBC MICRO:BIT EX
MICRO:BIT BOARD	YES	YES	YES
USB CABLE	NO	YES USB-A (30CM)	YES USB-A (100CM)
BATTERY CAGE	NO	YES (NO SWITCH)	YES WITH SWITCH
BATTERIES	NO	YES (2X AAA)	YES (4X AAA)

SINGLE
$25⁰⁰ EX
$27⁵⁰ INC
SKU 57226900

SINGLE
$27⁰⁰ EX
$29⁷⁰ INC
SKU 57226897

SINGLE
$29⁰⁰ EX
$31⁹⁰ INC
SKU 57226893

10 PACK
$245⁰⁰ EX
$269⁵⁰ INC
SKU 57226901

CLUB 10 PACK
$259⁰⁰ EX
$284⁹⁰ INC
SKU 57226899

10 PACK BULK
$285⁰⁰ EX
$313⁵⁰ INC
SKU 57226894

For more great BBC micro:bit projects and accessories scan the QR codes below or go to bit.ly/microbit-accessories
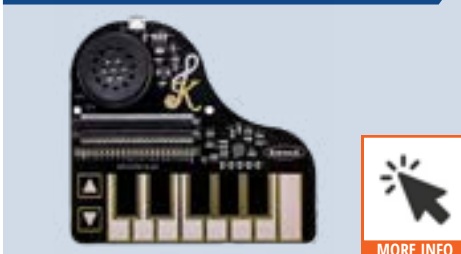
INVENTION KITS
MORE INFO

ROBOTICS
MORE INFO

EXPANSION
MORE INFO

LIGHT
MORE INFO

SOUND
MORE INFO

CONNECTORS
MORE INFO

SENSORS
MORE INFO

POWER
MORE INFO

PROTECTION
MORE INFO

CODING & ELECTRONICS

BATTERIES & CHARGERS

PRO-ELEC ULTRA ALKALINE

AA 40 Pack $21.99 Ex
AAA 40 Pack $15.99 Ex

PICELL NI-MH RECHARGEABLE

AA 4 Pack $17.99 Ex
AAA 4 Pack $12.99 Ex

3.7V LIPO BATTERIES

1800mAh $12.99 Ex

CR123A 700mAh $6.99 Ex

CR18650 2500mAh $11.99 Ex

HIQUICK 8 SLOT CHARGER

$39.00 Ex

MORE INFO

WIRES, CABLES & CONNECTORS

JUMPER WIRES 40 PACKS

200m in length with:
- Female - Female
- Male - Male
- Male - Female

$5.41 Ex each

ALLIGATOR CLIP 10 PACKS

Alligator Clip to Alligator Clip
$4.50 Ex

Alligator Clip to Banana Plug
$18.00 Ex

Alligator Clip to Female Jumper
$5.90 Ex

Alligator Clip to Male Jumper
$5.90 Ex

MICRO:BIT CABLE KIT

10x Alligator Clip to Alligator Clip
10x Alligator Clip to Banana Plug
10x Alligator Clip to Female Jumper
10x Alligator Clip to Male Jumper
$25.00 Ex

USB CABLES

USB C to Micro USB (100cm)
$7.99 Ex

USB A to Micro USB (100cm)
$4.50 Ex

USB A to Micro USB (30cm)
$2.99 Ex

COPPER FOIL ADHESIVE TAPE

6mm x 15m $6.99 Ex
25mm x 15m $16.99 Ex

CONDUCTIVE THREAD 10M

$5.40 Ex

MORE INFO

ARDUINO STARTER KIT (OFFICIAL)

The Arduino starter kit, made by Arduino.org, provides an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software. It contains all of the essential components required to start programming with the Arduino Uno board, and a guidebook featuring 15 different projects, which are designed to evolve the user from beginner to professional level. Once you've mastered this knowledge, you'll have a palette of software and circuits that you can use to create something beautiful, and make someone smile with what you invent.

$135⁰⁰ EX
$148⁵⁰ INC
SKU 57155004

MORE INFO

MAKEY MAKEY CLASSIC   SAVE

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 inbetween.

Makey Makey Classic Single
$72.00 Ex $79.20 Inc   SKU 57165278

Makey Makey Classic 15 Pack
$1020.00 Ex $1,122.00 Inc   SKU 57185688

MORE INFO

STEM CLASSROOM PACK   NEW

Perfect for teachers wanting to take their Makey Makey lessons to the next level!

Includes
- 30x Makey Makey Classics
- 15x Copper Foil Tape 6mm x 15m
- 5x   Copper Foil Tape 25mm x 15m
- 2x   300 Piece LED Kit
- 15x Alligator Clip to Male Banana Lead 10 Packs

$2,390.00 Ex $2,629.00 Inc
SKU 57237191

DEVICE STORAGE & CHARGING

PC LOCS CARRIER SERIES

- Truly universal as it is compatible with Chromebook, Tablet and iPad devices and more
- Basket portability offers a more flexible work flow
- Charge devices simultaneously
- Compact design, smaller footprint
- Single soft closing sliding lid
- Secure two-point locking system and combination padlock
- Chromebook Cart, Tablet Cart, iPad Cart. Everything Cart.

MORE INFO

CARTS

Carrier 20 Cart
$2,309.00 Ex $2,539.90 Inc   SKU 50154856

Carrier 30 Cart
$2,750.00 Ex $3,025.00 Inc   SKU 43144765

Carrier 40 Cart
$3,199.00 Ex $3,518.90 Inc   SKU 50144597

CHARGING STATIONS

Carrier 10 Charging Station
$1,209.00 Ex $1,329.90 Inc   SKU 50154855

Carrier 15 Charging Station
$1,545.00 Ex $1,699.50 Inc   SKU 50175517

PC LOCS REVOLUTION SERIES

- Timed Charging. Easily set your Cart to charge for a specific amount of time
- Charge devices simultaneously
- Compact design, smaller footprint
- Two-sided open design
- Single soft closing sliding lid
- Plastic lined laptop slots for protecting devices
- Chromebook Cart, Laptop Cart.

CARTS

Revolution 16 Cart
$2,090.00 Ex $2,299.00 Inc   SKU 50185666

Revolution 32 Cart
$2,928.00 Ex $3,220.80 Inc   SKU 50185601

WALL CABINET

Revolution 32 Wall Cabinet
$3,660.00 Ex $4,026.00 Inc   SKU 50154830

PC LOCS IQ STATION

- Basket portability offers a more flexible work flow
- Sync & charge devices simultaneously
- Compact design, smaller footprint
- Single soft closing sliding lid
- Plastic lined laptop slots for protecting devices
- Improved cable management
- iPad Cart, Tablet Cart.

IQ 10 Charge Station USB-C
$1,275.00 Ex $1,402.50 Inc   SKU 50154858

PC LOCS PUTNAM SERIES

- Secure integrated combination lock
- No Keys to Worry About.
- Charge devices simultaneously
- Light weight, smaller footprint
- Pre-wired with MFi approved lightning cables
- iPad Station, Tablet Station.

Putnam 8 Charging Station
$799.00 Ex $878.90 Inc   SKU 50185667

Putnam 18-C Charging Station
$2,425.00 Ex $2,667.50 Inc   SKU 50216612

PC LOCS FUYL SERIES

- Intelligent Asset Management System
- Additional Storage Compartment at the bottom of the unit
- RFID or PIN code access
- Charge devices simultaneously
- Integrate PC Locs Cloud with external systems
- Tablet Tower, iPad Tower, Laptop Tower, Everything Cart.

FUYL Tower 5 Pro EDU from
$4,849.00 Ex $5,333.90 Inc   SKU 50226837

FUYL Tower 15 Pro EDU from
$8,929.00 Ex $9,821.90 Inc   SKU 50226838

HOVERCAM SOLO SPARK II

More Powerful, More Affordable

Shares most of the same functionality as the Solo 8 Plus, with a slightly slower speed and less sharp imagery. At its low price point Solo Spark II is perfect for schools who want a high quality document camera without going over budget.

FEATURES
- Schedule, start, and run Zoom meetings right from the software's new Zoom Button
- 8 megapixel sensor for 4K clarity
- 1080p video resolution @45FPS
- USB powered
- USB3 3.0. No driver required

$599⁰⁰ EX
$658⁹⁰ INC
SKU 44226817

SAVE

HOVERCAM SOLO 8 PLUS

A wired USB document camera. Enjoy 4K images, superior ASR zoom, lesson recording and software that enables everything from picture-in-picture of the teacher's face to annotation over documents and even whiteboarding. Solo 8 is perfect for teachers with computers who demand superior document camera performance.

FEATURES
- Schedule, start, and run Zoom meetings right from the software's new Zoom Button
- 13 megapixel sensor for 4K clarity
- 4K video resolution @30FPS
- USB powered
- USB3 3.0. No driver required

$669⁰⁰ EX
$735⁹⁰ INC
SKU 44175493

MORE INFO

HOVERCAM DUO   NEW

Silimar to the Solo 8 Plus but with an added HDMI output which allows teachers to connect directly to a large screen TV, touch panel or projector without a computer.

FEATURES
- Schedule, start, and run Zoom meetings right from the software's new Zoom Button
- 12 megapixel sensor for 4K clarity
- 4K video resolution @30FPS
- Powered by a DC 5V Adapter
- USB C, HDMI

$990⁰⁰ EX
$1,089⁰⁰ INC
SKU 44237043

MORE INFO

HOVERCAM ORBIT   NEW

A wireless USB and HDMI document camera! It is class-leading in clarity and image resolution as well as ease of use portibility and versatility. Orbit is perfect for teachers who want the freedom to use their document camera anywhere in the classroom. It works with or without a computer (USB or HDMI).

FEATURES
- Schedule, start, and run Zoom meetings right from the software's new Zoom Button
- 13 megapixel sensor for 4K clarity
- 4K video resolution @60PS
- Rechargeable 9800 mAh internal battery
- USB C, HDMI and Wireless Connections.

$1,540⁰⁰ EX
$1,694⁰⁰ INC
SKU 44237045

MORE INFO

HOVERCAM BEAMIO   NEW

An innovative approach to wireless projection, featuring a steady 4K HDMI signal with no latency, capable of streaming from your computer to any compatible display.

FEATURES
- USB Touch Backchannel for bi-directional USB-touch with interactive flat panels, interactive whiteboards, touchscreen monitors, and other interactive displays.
- Cast to any HDMI display, projector, or interactive flat panel using the included receiver, without using or interfering with WiFi.
- True Plug-and-Play via USB-C
- Supports HDMI or USB-C Displays

$1,090⁰⁰ EX
$1,199⁰⁰ INC
SKU 44237224

MORE INFO

TABLET TRIPOD

The tablet tripod lets you use your tablet to deliver powerful presentations, while you stay focused on your audience and the content you're delivering. You can use your tablet as a visual cue or teleprompter, without having to hold it or repeatedly look down at it while you're speaking.

$127⁰⁰ EX
$139⁷⁰ INC
SKU 44185586

MORE INFO

cd-soft
educational resources

SWIVL CX-SERIES CAMERA ROBOT

BEST SELLER!

Swivl's most advanced, easy-to-use video capture solution for teachers and students.

The CX Series incorporates years of customer feedback from tens of thousands of educators. It's Swivl's most powerful, easy-to-use and fastest solution yet. When used with the Teams app it's the best video coaching tool on the planet.

NEW & IMPROVED FEATURES
- Improved controls and ease of use
- Faster and smoother video recording
- Improved audio recording quality
- Use up to 5 markers simultaneously

Video Automation - The Swivl robot follows you with great audio. That much you know. But now it does so with professional quality audio, twice the speed of response, a simpler to use Lightning interface and the ability to connect and use up to four markers at once to expand your experience to students.

Multi-Marker Capability - Use up to 5 markers at once to gather 5 sources of audio and pinpoint who said what with Swivl Practice. Control the robot with any marker at the touch of a button to capture student interactions and presentations.

Teams App - Swivl Teams is a secure and easy for teachers to record or livestream videos for coaching, self-reflection, hybrid learning, and more!

CX CAMERA ROBOTS

Swivl CX Series Camera Robot CX1 Kit
$1,209.00 Ex $1,329.90 Inc SKU 44216586

Swivl CX Series Camera Robot CX3 Kit
$1,545.00 Ex $1,699.50 Inc SKU 44216587

Swivl CX Series Camera Robot CX5 Kit
$1,999.00 Ex $2,198.90 Inc SKU 44216588

CX STARTER PACKS SAVE

Swivl CX1 Camera Robot Starter Pack
$1,363.00 Ex $1,499.30 Inc SKU 44216591

Swivl CX3 Camera Robot Starter Pack
$1,725.00 Ex $1,897.50 Inc SKU 44216589

Swivl CX5 Camera Robot Starter Pack
$2,179.00 Ex $2,396.90 Inc SKU 44216590

MORE INFO

SHINTARO HEADSET

Ultra lightweight design suited for extended use. Long lead with 3.5mm jack

Without Mic
$7.99 Ex
$8.79 Inc
SKU 44134351

With Mic
$8.99 Ex
$9.89 Inc
SKU 44124157

SHINTARO KIDS HEADPHONE

$12.50 Ex
$13.75 Inc
SKU 44154850

- Volume limited (85dB)
- Lightweight and durable
- Padded ear cups
- 3.5mm jack

MORE INFO

WIRELESS 1080P MICROSCOPE

An easy to use wireless 1080p microscope that supports live video over Wi-Fi transmission to iOS/Android Smart phones and tablets. You can also connect the microscope to a pc via a USB.

FEATURES
- Save images and videos onboard straight to a Micro-SD card,
- 100 min battery life with its rechargeable lithium battery
- 20m wireless transmission range
- 0mm to 50mm Focal Distance
- 10x-120x (at 5M) Magnifications
- 1080P Full HD video

$209⁰⁰ EX
$229⁹⁰ INC
SKU 52134536

MORE INFO

5MP DIGITAL MICROSCOPE

A USB microscope with a simple but incredibly useful stand that allows you 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. The microscope can be easily removed for the stand for situations which demand it. 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.

$190⁰⁰ EX
$209⁰⁰ INC
SKU 52144589

MORE INFO

PATHFINDERS

BEST SELLER

SKY SURFER PLANE LAUNCHER

Build your own airplane launcher!

Kids of all ages can design, make and scientifically test their plane creations with powerful elastics and a consitent trajectory.

$**36**^{00} EX
$**39**^{60} INC
SKU 14206482

MORE INFO

HYDRAULIC GEARBOT

Learn about levers, gears and simple mechanics as you assemble a hydraulic catapult and some super cool gear linkages! With the push of a syringe, you can set a range of gears into linear and rotational motion!

$**40**^{00} EX
$**44**^{00} INC
SKU 14185588

MORE INFO

STEM HYDRAULIC CLASS PACK

Perfect for use in STEM and STEAM studies! Contains enough materials for 30 students in pairs to build over 15 machines. Also includes a handbook with info about the history of hydraulic machines.

$**290**^{00} EX
$**319**^{00} INC
SKU 14175538

MORE INFO

HYDRAULIC ROBOTIC ARM

Constructed from sturdy, die-cut plywood with an MDF base, this do-it yourself 3D model takes about an hour to assemble and makes it fun to learn about robotics, levers, fluid dynamics and engineering principles.

$**36**^{00} EX
$**39**^{60} INC
SKU 14165194

MORE INFO

DA VINCI'S CATAPULT

Match wits with da Vinci and put your coordination skills to the test with this build it yourself, working re-creation of his 15th Century catapult.

$**36**^{00} EX
$**39**^{60} INC
SKU 14165195

MORE INFO

STEM HYDRAULICS MAKER SET

A great resource for Science classroms, Maker Spaces and Tinkerer Labs. Contains 18 bases and enough material for 15 to 30 students to make a huge variety of machines from simple lifting machines to very complex robotic arms!

$**690**^{00} EX
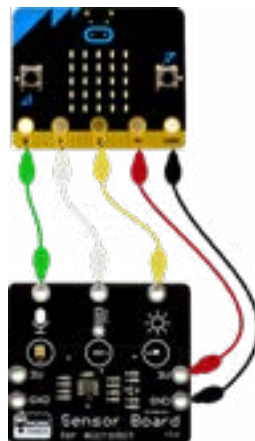$**759**^{00} INC
SKU 14206282

MORE INFO

STEM CLASS SET FOR BBC MICRO:BIT

Once your students have built the eight guided projects they'll have at their disposal all the tools and equipment they need to develop their own projects. The eight introductory projects help build their coding skills and how to integrate each of the components in the set giving them the knowledge and confidence to tackle their own world problems.

INCLUDES
- 30 x Sensor boards (sound level, temperature and light level)
- 30 x Relay boards
- 30 x Amplified speakers
- 30 x Small motors
- 30 x Small fan
- 30 x Light bulb and holder
- 30 x Servo boards
- 60 x Servos - continuos rotation
- 60 x Wheels for servos
- 30 x Wheels
- 30 x Flute board (120 x 190mm)
- 30 x Thin dowel
- 300 x 20cm Alligator clip leads
- 30 x USB to Micro Braided Cable (100cm)
- 30 x 1x AAA Battery Cage
- 120x Ultra alkaline AAA batteries
- Instruction booklets
- 300 x 20cm Alligator clip leads
- 30 x USB to Micro Braided Cable (100cm)
- 30 x 1x AAA Battery Cage
- 120x Ultra alkaline AAA batteries
- Instruction booklets

$**2,990**^{00} EX
$**3,289**^{00} INC
SKU 57226831

MORE INFO

POWER ANCHOR V2

Designed to enable students to easily test and analyse the results of their design and engineering projects. It's a beautifully simple way to deliver power to student made car and aircraft projects. Current is supplied through a tether cable which also pulls the vehicle around the PowerAnchor – so they don't need batteries or steering.
Use the data logger to record performance, analyse the results, make modifications and test again. The PowerAnchor is backed up with five fully resourced projects, classroom video, teaching notes, student notes, and consumables.

FEATURES
- Designed by teachers with special attention to the learning environment.
- Portable and light.
- Sturdy, made from tough materials.
- Easy to use independently.
- Rechargeable with loads of power.
- Remote controlled.
- Push on legs for aircraft.
- Data logger to quantify testing.
- High impact carry case included.
- Its great looks add to excitement.

$**2,950**^{00} EX
$**3,245**^{00} INC
SKU 14206287

MORE INFO

Use your phone camera to scan our QR codes

STEM KITS

MAKEDO CARDBOARD CONSTRUCTION TOOLS

SAVE 10%

makedo cardboard construction

Makedo needs little introduction; find some cardboard, grab some makedo tools and get started. The awesomeness of makedo is that children learn by doing, creating, experimenting, failing and maybe succeeding but that's not essential. The creations then open the door to imaginative play where the child is protagonist in a hack-able world of their own making.

LEARNING - makedo inspires and enhances learning because it is highly engaging and super exciting to use.

STEAM - makedo can span ALL learning areas andw aligns perfectly with STEAM curriculum. makedo is great for independent learning and collaborative projects and develops problem solving skills.

EASY FOR EDUCATORS - Learn alongside your students and you'll quickly come up with new ways of constructing with cardboard.

NEW and Improved Tools

Safe-Saw   Fold-Roller   Scru-Driver

PACKS

Makedo Starter Pack (36 Pieces)
$8.17 Ex $8.99 Inc   SKU 14216575

Makedo Explore (50 Pieces)
$22.72 Ex $24.99 Inc   SKU 14216563

Makedo Discover (126 Pieces)
$40.90 Ex $44.99 Inc   SKU 14216562

Makedo Invent (360 Pieces)
$163.63 Ex $179.99 Inc   SKU 14216566

SCRUS & TOOLS

Makedo SCRU+ (120 Pieces)
$16.36 Ex $17.99 Inc   SKU 14216574

Makedo SCRU Combo (160 Pieces)
$16.36 Ex $17.99 Inc   SKU 14216571

Makedo SCRU (180 Pieces)
$16.36 Ex $17.99 Inc   SKU 14216570

Makedo Safe Saw
$8.17 Ex $8.99 Inc   SKU 14216568

Makedo SCRU Driver
$6.36 Ex $6.99 Inc   SKU 14216572

Makedo Fold Roller
$8.17 Ex $8.99 Inc   SKU 14216564

MORE INFO

INVENTION ENGINE   NEW!

From the makers of the Edison Robot comes Invention Engine where electronics meets cardboard. With Invention Engine students proudly transform humble cardboard into working products. Empower students to code, engineer, and design their own inventions.

Invention Engine is a robust, hands-on platform for learning design & digital technologies. The system contains a programmable Invention Engine hub and a range of connectable Invention Engine bits (including LEDs, motors, and sensors) all of which can be easily attached to cardboard allowing coded creations to come to life.

Classroom resources
Unit 1 includes sufficient components for 10 students and is supported by a comprehensive, free 50 page student guide and lessons booklet. The activities included in the lessons encourage students to practice the concepts explained through the lesson. A teacher guide is also available.

UNIT 1 BUNDLE

$ **650**⁰⁰ EX
$**715**⁰⁰ INC
SKU 14237068

MORE INFO

STRAWBEES CARDBOARD SCHOOL KIT

Building with cardboard has never been as easy and full of possibilities as it is with Strawbees Cardboard School kit. Use Strawbees colour-coded connectors and washers to connect cardboard and other upcycled materials in a completely different way. Create surfaces and shapes and use the constructions pipes for beams and mechanisms. The custom designed tools included will prevent accidents and make handling cardboard easier.

Includes
- 1280x Strawbees
- 600x Straws (in three wonderful colours)
- Card Deck of Creativity

$ **299**⁰⁰ EX
$**328**⁹⁰ INC
SKU 14206439

SAVE 18%

STEM KITS

KITRONIK :GAME ZIP 64 CLASSROOM PACK

The Kitronik :GAME ZIP 64 is the ultimate retro gaming accessory for the BBC micro:bit. It has been designed to be an all in one hand held gaming platform, which also includes a built in, 64 (8x8) individually addressable full colour ZIP LED, screen.

It features on-board sound, 4 x directional buttons, 2 fire buttons, haptic feedback, and breakout points so shoulder buttons or I2C devices can be added. All of these features are fully programmable. All of microbits features are still available when plugged in to the :GAME ZIP 64, so your games can still make use of the LED matrix, accelerometer etc.

FEATURES

• All in one hand-held gaming solution for the BBC micro:bit.
• 64 individually addressable ZIP LED display screen.
• Fully programmable on-board sound, directional buttons, fire buttons, and haptic feedback.
• Breakout pads for adding shoulder buttons or I2C devices.
• Breakout pads for driving larger LED screens.
• Ergonomic design for comfortable game-play.
• It can also be coded to be a controller for your buggy or robotics projects.

$630⁰⁰ EX
$693⁰⁰ INC
SKU 57196128

MORE INFO

LESSON IN A BOX SIMPLE ROBOTICS KIT

The Lesson in a Box (Simple Robotics) is a complete set of electronics and teaching resources to enable successful cross-curricular lessons with minimal teacher effort. The kit and teaching resources have been tried and tested by real pupils and developed by real teachers to save you time. We know how busy you are!

All of the teaching resources are set out in a teacher, user-friendly' way, including technicians notes, lesson plans, resources and workbooks or worksheets. There are 10 student sets and 1 teacher set of Electronics (11 sets in total) supplied in a large reusable tray.

FEATURES

• A complete set of electronics and teaching resources to enable successful cross-curricular lessons with minimal teacher effort.
• No soldering required for technicians or students.
• Teaching resources have been tried and tested by real pupils and developed by real teachers.
• Includes technicians notes, lesson plans, resources and workbooks or worksheets.
• Designed to be used over and over again, all component parts were chosen/designed with this in mind.
• It's fun to teach and fun to learn!

$850⁰⁰ EX
$935⁰⁰ INC
SKU 57196139

MORE INFO

LESSON IN A BOX ENVIRONMENT KIT

The Lesson in a Box The Environment Kit for micro:bit is a complete set of parts & teaching resources to enable successful cross-curricular lessons at grades 6-10. Lessons come with a detailed lesson plan, cross-referenced to: class slides, workbooks/worksheets, checklists etc.

The Lesson in a Box - The Environment spans;

Digital Technology - Your Smart Greenhouse lessons are all about designing software for the greenhouse.

Design and Technology - Lessons are all about designing for specific environments.

Biology/Combined Science - Lessons are all about factors affecting photosynthesis.

FEATURES

• 21 included lessons that span D&T, Computing, and Biology/Combined Science.
• No soldering is required for technicians or students.
• The kit and teaching resources have been tried and tested by real pupils and developed by real teachers to save you time.

$1,050⁰⁰ EX
$1,155⁰⁰ INC
SKU 57216744

MORE INFO

LESSON IN A BOX COMPUTING PACK

This Kitronik Lesson in a Box Primary Computing Pack is a comprehensive bundle of electronics and educational materials, designed to make it easier to deliver curricular-aligned, Ofsted-approved lessons with minimal teacher input. Through extensive testing by real students and teachers, this kit and its accompanying resources have been proven to be a time-saving solution.

FEATURES

• A complete set of electronics and teaching resources to enable successful curricular lessons with minimal teacher effort.
• The box covers curriculum for Computing and Science.
• No soldering is required for technicians or students.
• The kit and teaching resources have been tried and tested by real pupils and developed by real teachers.
• Includes technicians' notes, lesson plans, resources and workbooks or worksheets.

$950⁰⁰ EX
$1,045⁰⁰ INC
SKU 57237221

MORE INFO

cd-soft educational resources

POCKETLAB

AFFORDABLE DATA LOGGERS!

PocketLab

AN INTERACTIVE SYSTEM FOR SCIENCE LEARNING
Sensors + Software + Lessons + Community

The PocketLab System brings together sensors, software, lessons and community. The result is an easy, cool and amazing way to teach science and digital technology that feels comprehensive and "done for you" while keeping the power to differentiate and customise learning in the hands of teachers.

MORE INFO

POCKETLAB G-FORCE NEW

PocketLab G-Force is everything you need to bring physics concepts to life in a car small enough to fit on a Hot Wheels™ track. Measure velocity, position, g-force, rotation and direction using one device and instantly track, measure and analyze the data of any motion experiment you can imagine. Use the G-force accessories to create crash simulations or see the effects of added weight or wind in real-time. It's serious science with the fun built in.

SINGLE
$ **239**⁰⁰ EX
$ **262**⁹⁰ INC
SKU 34216815

MORE INFO

5 PACK
$ **1,195**⁰⁰ EX
$ **1,314**⁵⁰ INC
SKU 34226905

MORE INFO

POCKETLAB NOTEBOOK PRO

Notebook is a full-featured digital lab book. Collect, visualise, and analyse live experimental data in a way that makes labs come alive. Inside Notebook software are hundreds of lessons written by experts and teachers, adaptable to any classroom with alignment to the Australian curriculum coming soon!

Teacher Dashboard
- Create unlimited student accounts and unlimited assignments.
- Administrative controls
- Student progress monitoring
- Large library of lessons and activities
- Commenting and student feedback tools
- Australian Curriculum alignment now available.

Student Lab Notebook
- Lab Notebook to guide and document hands-on activities
- Data Analysis Tools to analyzse, graph, and interpret student-collected experimental data
- Collaboration Tools to share group lab work.

$ **240**⁰⁰ EX
$ **264**⁰⁰ INC
SKU 34206356

MORE INFO

POCKETLAB AIR

PocketLab Air is an all-in-one science lab for investigating climate and air pollution in your environment. PocketLab Air can measure:
- Carbon dioxide
- Ozone
- Particulate matter (PM1, PM2.5, PM10)
- Temperature
- Humidity
- Barometic pressure
- Light

Designed to be capable enough for a climate and air quality researcher but simple enough for a 4th grade student learning about Earth science. All the sensor functions are integrated into a small, rugged, and portable sensor device that can be used to go out and investigate air pollution and climate.

FEATURES
- Compatible with iOS, Android, Chrome, Windows, and Mac OS
- Wireless Bluetooth connection
- Stream data in real-time then analyze in Notebook Pro

SINGLE
$ **590**⁰⁰ EX
$ **649**⁰⁰ INC
SKU 34185886

MORE INFO

5 PACK
$ **2,950**⁰⁰ EX
$ **3,245**⁰⁰ INC
SKU 34206512

MORE INFO

POCKETLAB VOYAGER 2 NEW!

PocketLab Voyager is an all-in-one science lab that is capable enough for a professional engineer and simple enough for a fourth grade student. Voyager can measure motion, light, magnetic field, and weather, and can connect to an external temperature probe.

Attach PocketLab Voyager to a drone to measure the altitude and vibrations during a flight, design and build rubber-band cars and measure their speed during a race—with PocketLab Voyager, science exploration is only limited by your imagination.

SENSORS
- Accelerometer
- Gyroscope
- Magnetometer
- IR Rangefinder
- Pressure
- Altitude
- Humidity
- Ambient Temperature
- Light Intensity
- Temperature Probe

SINGLE
$ **354**⁰⁰ EX
$ **389**⁴⁰ INC
SKU 34227032

MORE INFO

10 PACK
$ **3,350**⁰⁰ EX
$ **3,685**⁰⁰ INC
SKU 34227033

MORE INFO

KAIBOT

Meet the World's first hybrid coding robot for kids! KaiBot allows children to learn coding, either screen-free or Hybrid within the virtual world. Students can code before they can read with the use of coding cards. Experienced coders can use Blockly or Python in a virtual world to race against the clock in an engaging game based environment! The engagement and learning possibilities are endless!

Get your students to layout their code card sequences and then program KaiBot, by tapping KaiBot on each card. Bug in their code? No problem, KaiBot will detect any code bugs and let them know how to solve their code.

- **Screen-free coding** - Progress from the basics to advanced coding skills in a progression. Start with the deck of coding cards and progress through the included lessons and activities. Solve puzzles and create your own mazes.
- **Hybrid mode - physical & virtual robots** - With Kainundrum, you can either use coding cards, Blockly or Python to solve challenges, then watch both the physical & virtual KaiBot act out your code sequence.
- **Lesson Plans** - Kainundrum has a library of lesson plans specifically designed for K-12, ranging in difficulty from beginner to expert. Each lesson demonstrates how to use the Coding Cards, layout your physical KaiTiles, and how to solve your problem using Blockly.

MORE INFO

STARTER PACK

Includes
- 1x KaiBot Robot
- 1x KaiBot Magnetic KaiTiles (10 Pack)
- 1x KaiBot Advanced Coding Cards Set
- 1x KaiBot First Steps in Coding eBook

CLASSROOM PACK

Includes
- 10x KaiBot Robots
- 3x KaiBot Magnetic KaiTiles (10 Pack)
- 5x KaiBot Autonomous Charging Docks
- 3x KaiBot Advanced Coding Cards
- 1x KaiBot First Steps in Coding eBook

KAI'S <CLAN>

Kai's clan brings a variety of exciting modern technologies to your lessons, such as multiplayer coding, internet of things (sensors), augmented reality, virtual reality, robotics and so much more!

- An All-in-One Technology Platform - Teach coding, robotics, AR, VR and Internet of Things (IoT) in one easy-to-use web platform that works seamlessly on just about any device.
- Multiplayer Coding - Students work together, solving real world problems, whether within the same classroom or with someone on the other side of the world, using multiplayer Scratch / Blockly like coding.
- Virtual Reality - Let your students jump into the driver's seat of a rover on Mars; or the pilot's seat in a plane high over a thriving metropolis.
- Augmented Reality - Make, create and enrich your student's learning with Kai's Augmented Reality. See your code come to life in an interactive learning playground.

MORE INFO

How to Order

Purchase Order
Schools are able to order on account. No time consuming application required! Simply order online with your order number or email your official school purchase order and we'll send a tax invoice. Payment terms are 30 days.

Credit Card
Credit card purchases are welcome.
- Online at cdsoft.com.au
- Phone 1800 634 050

Delivery
We aim to dispatch all orders we receive the same day if the items are in stock. Bulkier items may be direct shipped from our suppliers.

Prices Subject to Change
We make every effort to ensure that our pricing is correct at the time of publishing. If prices do change we reserve the right to change our pricing accordingly. We will notify you of such changes prior to processing your order.

Southern Educational Resources Pty Ltd (ACN 619 836 654) t/a

cd-soft
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TAS Government School Creditor Number - C033641

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