Rapid
e d u c a t i o n

SPECIAL OFFER

Lego® SPIKE Prime Set
Only **£319.95**
Order code 70-6713

Pico PP906 Analogue PC Based Scope, 2 Analogue Channels, 10MHz

Only **£94.88**

Order code 65-4612

pico Technology

SPECIAL OFFER

Mini-light Kit Assorted Class Pack

Only **£1.06** per student

Only **£21.12**

Order code 13-0158   **Rapid**

Raspberry Pi 5 4GB SC1111

Raspberry Pi
APPROVED RESELLER

Only **£48.73**

Order code 75-1284

www.rapidonline.com

DALER ◆ ROWNEY

Lino Prints by Alyx Barrett
Created with the Adigraf range

Discover the Daler-Rowney Adigraf Collection

The Daler-Rowney Adigraf collection offers various inks and accessories to support all block & lino printing needs.

Adigraf is an easy-to-use system designed to bring block printing to all ages. Printing your creations in different colours and on different surfaces has never been this easy. The collection covers all colours, accessories and mediums needed for all level artists.

All Adigraf printing inks and mediums are manufactured at the Daler-Rowney factory in Bracknell.

Discover the Adigraf collection at Rapid.
#AdigrafBlockPrinting
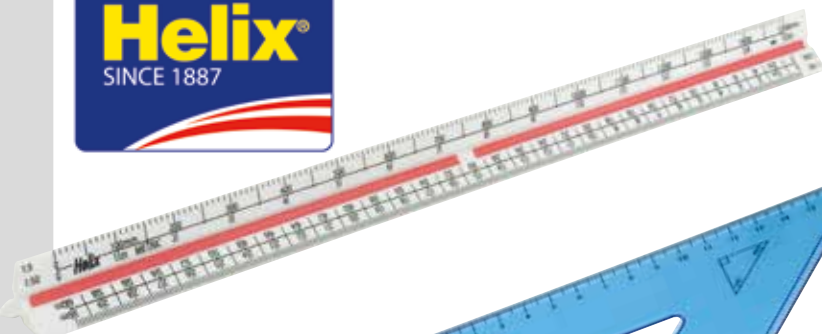
Triangular Scale Rule 300mm

A boxed rule featuring high grade print and 3 colour-coded faces.

- Ideal for professional use
- 1:1, 1:10, 1:2, 1:20, 1:5, 1:50, 1:100, 1:200, 1:500, 1:1000, 1:1250 & 1:2500
- Helix type K93070

£5.00
Order code 52-9818

60°
£1.80
Order code 34-2672

45°
£1.80
Order code 34-2670

Set Squares

- Metric measuring scales along one edge
- Length along longest edge
- Supplied singly

Refill Cartridge for Board Marker Pens (Pack of 12)

- Dry wipe whiteboard ink

Blue
£12.38
Order code 34-5718

Black
£12.38
Order code 34-5714

Red
£12.38
Order code 34-5716

£15.49
Order code 34-1884

Post-it® Yellow 76 x 76mm Pack of 12

- 100 sheets per pad
- Supplied in packs of 12 pads

£27.85
Order code 52-0768

Coloured Pencils

Excellent value colouring pencils in a variety of popular pack sizes.

- Hexagonal barrels
- 3mm lead diameter
- Supplied in **packs of 288**

£6.76
Order code 06-9290

Edding 89 Office Liner Pens - Pack of 10

- Fineliner writing pens
- Metal-framed round tips
- Water-based ink
- Produce fine 0.3mm lines
- Colour: Black
- Supplied in **packs of 10**

Turbo Colour Pens Class Pack 144

- Ventilated cap and security plug

£16.56
Order code 06-4164

Medium Cristal Black Pens Pack of 50

- Medium point
- 1.0mm tip gives a line width of 0.4mm
- Black ink

£12.54
Order code 34-8076

£0.567
Order code 34-0038

Exam Grade Ball Point Pen Black

- Black ink
- Smooth ink flow
- Designed for school children
- Especially for exam situations
- Line width 0.4mm
- Elastic grip zone for relaxed hold

40g Premium Paper Glue Sticks (pack of 108)

- Manufactured in Europe using PVP – this gives a shelf-life approximately 3 times longer
- Ideal for children – non-toxic, acid-free, solvent-free and completely washable

£98.66
Order code 34-9916

≡Rapid

Show-me®

Mini Whiteboards and Accessories for Education

STAY CLEAN TECHNOLOGY

2 YEAR GUARANTEE

PVC FREE

£72.10
Order Code 52-0786

Plain A4 Whiteboards Classpack of 35

A classroom favourite for over 20 years. Easily gauge understanding at the start of a subject, or check comprehension as you teach.

- Flexible Polypropylene material
- Fully recyclable
- Virtually indestructible
- Double-sided StayClean surface
- 2-Year surface guarantee
- Plain design on both sides
- Supplied as a kit which includes boards, drywipe markers, erasers and 2 free cleaners

13 MM KOMFIGRIP BARREL

3 DAY CAP-OFF TIME

2 MM LINE WIDTH

£57.82
Order Code 34-5742

Slim Barrel Drywipe Markers Pack of 100 Black

Show-me drywipe markers have been designed specifically for the needs of children and teachers alike. Bulk box for extra savings.

- 13mm Komfigrip barrel
- 3 Day cap-off time
- Extra-hard nib will not easily splay out
- Internal nib-stop resists the nib being pushed in
- Low odour xylene-free ink
- Easy fit cap with safety air-flow cap
- 2mm line width
- Consistent quality batch after batch

£24.00
Order Code 52-9811

Slim Barrel Drywipe Markers Pack of 50 in Assorted Colours

Show-me drywipe markers have been designed specifically for the needs of children and teachers alike. Bulk box features 10 vibrant colours; 5 of each Black, Blue, Green, Red, Pink, Purple, Orange, Brown, Yellow and Light Blue.

All the same **benefits and features** as the black only packs as well as:

- Compartment box that keeps all 10 colours organised

Plain A4 Rigid MDF Whiteboards

Lapboards with a durable enamel coating, and robust, recycled wood core. Perfect for using away from desks such as during carpet time or school trips. Ideal for use with Show-me drywipe markers and erasers.

- Rigid 3mm MDF
- Glossy drywipe surface
- Plain design on both sides
- Supplied as boards only

30 boards	60 boards
£51.50	**£107.09**
Order Code 52-9791	Order Code 52-9793

£18.07
Order Code 52-9792

Plain A2 Magnetic Framed Whiteboard

The extruded frame gives extra strength and longevity, ideal for group work. Use the gridlines for character alignment, charts, graphs, shapes and flow diagrams. Use the plain side for any topic.

- Multi-coloured frame
- Glossy drywipe surface
- 20mm Gridlines on one side
- Plain on the other
- Supplied as board only with pen tray
- Can be attached to a wall

4 Step Cleaning System

1 Erase **2** Clean **3** Renovate **4** Condition

'Step-2' Refillable Whiteboard Cleaner and Refill Sachets

Keep your whiteboards clean, and go super green!
Your starter bottle contains almost everything needed to start cleaning; just add water.
When you run out of specially formulated cleaner, just buy the refill sachets, one small pack makes 3 litres.

- 500ml bottle and sachet
- Refill pack contains 6 sachets

Starter Bottle	Refill Sachets
£6.01	**£9.27**
Order Code 34-5780	Order Code 34-5781

CASIO®
EDUCATION

Boost Your Curiosity

New ClassWiz has arrived.
Simpler. Easier. Faster.

fx-83 GT CW   fx-85 GT CW   fx-991 CW

✓ New upgraded versions of fx-GTX / EX

✓ Recommended for Key Stage 3 & 4

✓ UK Exam approved

✓ 3 year guarantee

✓ Clip-on hard case included

Battery powered
FX-83GTCW
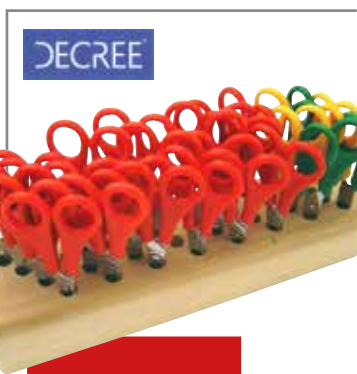## Only £11.97
Order code 25-0324

Dual powered
FX-85GTCW
Only £15.40
Order code 25-0325

Dual powered
FX-991CW
Only £25.45
Order code 25-0326

DEGREE

£12.75
Order code 52-1842

Scissor Block and 32 Ruler Scissors - Left and Right-handed

• Colour-coded: red handles for right-handed and yellow/green for left-handed scissors
• Supplied as a pack with block and 32 ruler scissors: 28 right-handed and 4-left handed
• Block dimensions are 29 x 7 x 6cm (L x W x H), holes are approximately 1cm diameter

---

GBC

£178.53
Order code 34-9993

GBC Academy+ A3 Laminator UK

Designed specifically to meet the rigorous demands of the classroom or school office. Built to withstand frequent daily use with a protective pouch carrier; it reliably handles all kinds of materials.

• Capable of handling name cards, artwork, cuttings, photos, prints, and more
• Simple, intuitive controls and auto-reverse to prevent misfeeds
• Ultra-fast, with 2-minute warm-up and laminating speeds of up to 800mm/min
• Laminates up to A3 in size, using 75 to 250-micron pouches

Rapid

£105.86
Order code 35-2606

HDC150 Heavy Duty Hole Punch

A powerful hole punch that is the ideal addition to any professional office where large documents are being prepared. Its punching cutters are made from the highest quality steel.

• Punching life 20,000 operations
• Hole diameter 5.5mm
• Hole distance 80mm
• Manufacturer's five year guarantee
• Spare disks and cutters are available separately

STAEDTLER

£22.74
Order code 34-1260

121 C150 Noris School Pencils HB (Box of 150)

Box of 150 Noris HB School Staedtler pencils – a durable classroom essential that has remained a favourite in schools for over 30 years.

FLASHFORGE®
3D PRINTER

Adventurer 5M Pro
3D Printer AD5M

A Multi-purpose FDM machine, ideal for unleashing your creative side and inspiring children to explore into the world of STEAM.

- High-speed printing
- Large build volume
- PEI build plate
- Auto-levelling
- Quick release nozzles
- Extruder dual-channel cooling
- Auxiliary chamber cooling
- Internal and external HEPA filter circulation
- Integrated printing management

- Filament run-out reminder
- Vibration compensation
- Power loss recovery
- Low noise mode
- Built-in monitoring camera
- Automatic shutdown

Order code
25-0136   **£422.30**

UP 300

Designed for users demanding a large build volume and consistent performance across different materials.

Tiertime

- Material-specific print heads
- Double-sided interchangeable build plates
- Dual air filtration (HEPA)
- Control and monitor print jobs with a 110mm (4.3in.) full colour LCD touchscreen

- Removable waste collection tray
- Tiertime Print Queue - control and re-order the print queue over a network connection
- Print directly from USB stick
- Ethernet connection in addition to Wi-Fi

BEST SELLER

Order code
25-0233   **£1689.32**

DigiLab 3D45 3D Printer

DigiLab 3D printer provides the flexibility and reliability needed to meet the demands of higher education that benefit from advanced FDM 3D printing.

DREMEL
BIG ON DETAIL

- Fully enclosed chamber for minimum noise
- HD camera for remote monitoring
- Easy filament set-up using RFID recognition
- Heated bed and cooling fan prevents warping
- Easy setup and print control via full-colour touch-screen
- Integrated filter systems for dust and fumes
- 50 micron build resolution
- Fast and accurate calibration with semi-automatic levelling
- Start printing via WiFi, Ethernet or using a file on a USB flash drive
- CE marked
- 1 year Dremel warranty
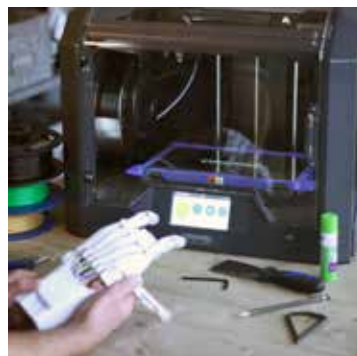
Order code
25-0536   **£1707.33**

DOBOT

Magician Robotic Arm

Meet Dobot Magician - the desktop robotic arm with incredible accuracy and repeatability. Dobot is versatile - it can be controlled via a PC, remote control, gesture control or programmed to operate as a standalone unit.

£845.95
Order code 70-0480

LIMITED OFFER

Magician Lite

Magician Lite offers project-based teaching demos that are interactive, practical and interest-oriented,aiming to foster children's logical thinking, hands-on skills and creativity. Built to be open and widely compatible, Magician Lite can power legions of miniature immersive application scenarios, which not only help students better understand how AI and robots work in real settings, but also turn them into real-world problem solvers.

£795.95
Order code 70-0487

LIMITED OFFER

Dobot not included
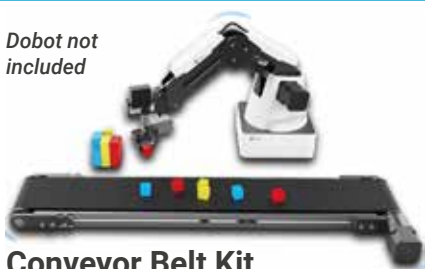
Conveyor Belt Kit

The conveyor kit for the Dobot Magician gives you a complete production line simulation. The kit consists of a conveyor belt with adjustable speed, a distance sensor and a colour sensor. Combined with the powerful and programmable Dobot Magician, these are the ideal essentials for you to create a highly effective simulated production line, or even apply it to an actual factory scenario.

£328.05
Order code 70-0482

Magician Lite and AI Teaching Kit Bundle

Apart from the cost saving associated with the bundle, the kit will provide more opportunities for students to experience real-world AI scenarios, engage in a series of hands-on activities and be inspired to prototype their own AI solutions.

£1190.51
Order code 70-0489

MG400 Lightweight Compact Desktop Robotic Arm

The DOBOT MG400 is a lightweight compact desktop robotic arm suitable for diverse manufacturing needs. Designed to be flexible, safe and user-friendly. MG400 can easily be integrated into any automated workbench, laboratory or production line. Perfect for applications in tight workspaces that require fast deployment and changeover.

£2470.97
Order code 70-0494

UNLEASH CREATIVITY WITH SPHERO BOLT
The Ultimate Educational Robot

Introducing Sphero BOLT, the programmable robotic ball that sparks curiosity, inspires creativity, and fosters hands-on learning like never before.

Only £158.62
Order code 75-0737

At just 73mm in diameter, Sphero BOLT packs a punch with its advanced technology and endless possibilities. Whether you're a student, educator, or tech enthusiast, BOLT offers an immersive experience that combines fun and learning effortlessly.

Features that inspire:
- Advanced Sensors: BOLT comes equipped with a suite of sensors including gyroscope, accelerometer, and infrared sensors, empowering users to explore complex concepts in physics and robotics.
- Programmable: Dive into the world of coding with the Sphero Edu app. Create your own custom code using Scratch blocks or JavaScript, and watch as BOLT brings commands to life.
- LED Matrix: With an 8x8 LED matrix, BOLT lights up your world with dazzling colours and animations, adding a visual element to your coding projects.
- Durability: Built to withstand even the most adventurous of learners, BOLT is both water-resistant and scratch-resistant, ensuring longevity and endless hours of exploration.

Applications across the curriculum:
- STEM Education: Integrate BOLT into your classroom to teach coding, robotics, and STEM concepts in an engaging and hands-on way.
- STEAM Projects: Combine art and technology by designing and programming custom light patterns and animations on BOLT's LED matrix.
- Problem Solving: Encourage critical thinking and problem-solving skills as students tackle challenges and obstacles using BOLT's programmable features.

sphero

Join the revolution today and experience the magic of Sphero BOLT!

NAO⁶
Academic Edition Robot with 2 Year Warranty

The robot creates a unique human-robot interaction experience and is a renowned teaching aid for use in areas such as robotics, systems and control and computer sciences.
- NAO robot stands 58cm tall and is packed full of technology
- Humanoid body with 25 degrees of freedom for realistic movement

Order code 70-8893 **£7,378.92**

pepper
Pepper Robot Academic Edition 2 year Warranty - Android

Pepper Robot has astonishing flexibility and fluidity of movement, with a total of 20 degrees of freedom. This robot can gesture with the speed and grace of a human, all whilst its 3 omnidirectional wheels enable the robot to move around freely through 360°. Fitted with a 10.1 inch touch screen tablet, Pepper can be programmed to display images, videos, web pages, or applications, making interacting with the robot simple and convenient.

Order code 70-8869 **£14,118.21**

Licence for NAO6 - 1st Year
elias

The ELIAS Software Licence for NAO6 is a must-have teaching assistant for engaging students to learn and speak in a wide range of languages.
- 1-Hour Online training
- Online support

Order code 70-8902 **£2,576.03**

App for Online Language Learning
elias

The ELIAS Classroom Licence is a must-have teaching assistant for engaging students to learn and speak in a wide range of languages. Included in this offer is one NAO6 robot licence, and up to 30 teacher accounts for the ELIAS App.

Order code 70-8904 **£2,576.03**

Moisture Tester Project Kit (Class Pack of 20 Sets)

A classpack of 20 kits of components to build a functional Moisture Tester that can tell if pot plants require water. The classpack contains all the electronic components required, including ready-made PCBs, in a Gratnell's Tray with lid*. It offers a substantial saving compared to parts bought separately.
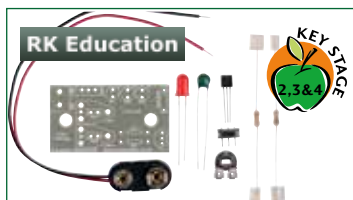
Students will love this Moisture Tester Project, which is linked to the National Curriculum, as it is simple to assemble and is ideal as an introduction to electronics.

• Dimensions of the box: 43cm x 31cm x 7cm
• Great school resource
• Each kit requires 1x PP3 battery **(not included)**

£1.24 each

KEY STAGE 2 & 3
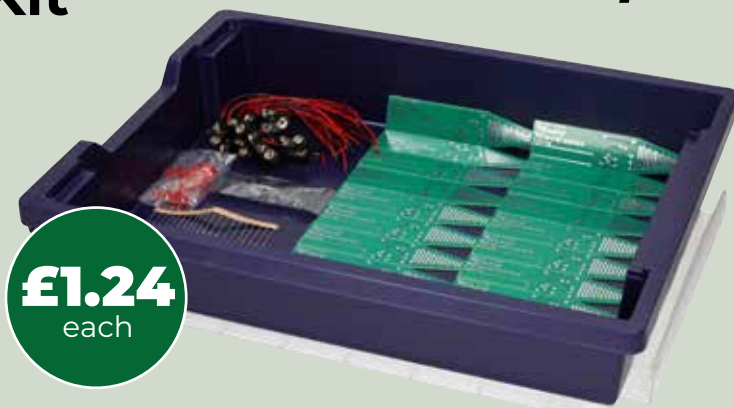
Order code 13-0102   **£24.79**

Transistor Switch Project - Temperature Sensor

KEY STAGE 2, 3 & 4

This project introduces the transistor switch and is an excellent first electronics/systems and control project.

Excellent for GCSE students as it has been designed with KS4 curriculums in mind.
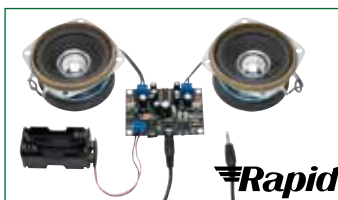
Order code 70-6025   **£2.31**

Mini-Light Project Kit with Red LED (Pack of 5)

61p each

Red LED key ring light kits designed as an introduction for students to design and make in electronics.

KEY STAGE 2 & 3

Project notes are available as a free PDF download manual included and available online

Order code 70-0015   **£3.07**

2.5W Stereo Amplifier Kit With Speakers

• Kit includes PCB and all components to make one stereo amplifier
• 2.5W power per channel
• Connecting cable supplied
• Supplied complete with speakers
• Requires 4x AA batteries (not included)

Order code 70-0187   **£12.28**

Stereo Audio Amplifier Kit (Class Pack of 20)

£4.88 each

• Stereo version of the popular Audio Amplifier Project (70-0180)
• Kit contains all components, speakers, printed circuit board and connecting cable
• Each kit requires a 9V, PP3 battery **(not included)**

Order code 70-0199   **£97.60**

Audio Amplifier Project Kit Pack of 20 (Includes PCBs)

The Rapid Audio Amplifier Project Kit provides teachers and students with a stimulating and inexpensive project through which to study the subject of amplification. The kits contain a comprehensive selection of components for schools working on audio related projects linked to the National Curriculum.

Each kit contains the following:
• TBA820M audio amplifier and IC socket
• Resistors, capacitors, and LED
• Switch and connecting jack socket
• Connecting cable
• Speaker and speaker cable
• Battery clip
• Printed circuit board
Each kit requires 1x PP3 battery **(not included)**

£2.25 each

KEY STAGE 3

Order code 13-0106   **£44.94**

Electric Paint Lamp Kit

Bare Conductive®

Requiring no tools, no programming, and no special skills, you can easily transform a paper template into a beautiful and functional lamp. With the included electric paint, light board, and micro USB cable it's a simple matter of paint, plug and play.

| Order code 70-0881 | **£31.96** |

Electric Paint Jar 50ml

Bare Conductive®

• Draw a circuit on almost any surface
• Connect batteries, LEDs and other components
• Can be used with conductive thread and e-textiles
• Can be used as a Cold Solder and Wire Paint
• Non-toxic and solvent free
• Dries at room temperature

| Order code 70-0874 | **£24.51** |

Solar Bug

WHADDA

This little bug chirps as long as the sun shines and glows when it's dark.

• Realistic cricket chirp sound
• Slow fading green led simulates glow-worm
• Solar cell: 4.5V/ 35mA
• Optional rechargeable batteries: 2x AAA NiCd or NiMH
• Dimensions: 140x150x50mm / 5.6 x 5.9 x 1.97"

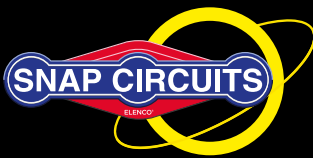| Order code 73-4557 | **£9.58** |

Start To Solder' Educational Kit

Want to learn more about electronics and how to solder an electronic gadget?

This Whadda WSEDU03 set is an ideal introduction to soldering and will teach you how to solder two simple gadgets.

| Order code 73-4539 | **£19.09** |

SNAP CIRCUITS

Beginner Kit

KEY STAGE 1+

• Build over 20 projects
• Extra safety features for younger engineers, age 5 and up
• Requires 3x AA batteries **(not included)**

| Order code 42-0032 | **£23.63** |

Junior Plus

KEY STAGE 2+

• Requires no tools
• Instructions for over 100 projects
• Requires 2x AA batteries **(not included)**
• Clear and concise illustrated manual included

| Order code 42-0026 | **£33.57** |

Strobe Light and Sound

SPECIAL OFFER

KEY STAGE 2+

Strobe Light & Sound kit makes an adjustable-speed strobe light with sound effects.

• Makes 14 projects!
• Requires 3x AA batteries **(not included)**

| Order code 42-0035 | **£9.25** |

Radio Controlled Snap Rover

KEY STAGE 2+

• Over 40 other experiments
• Run up to three Rovers at once
• No Soldering required
• Multi-function, wireless remote control
• Requires 1x PP3, 9V and 6x AA batteries **(not included)**

| Order code 42-0036 | **£103.24** |

Lead-Free Solder Wire 22SWG 0.7mm 100g Reel

R-TECH

Qty	Unit price
1+	£15.45
5+	£13.55
10+	£12.62
25+	£11.85
50+	£11.13
100+	£10.36
Order code 85-6867	

Lead Free Soldering Iron With Silicone Cable (1.5m) & 13A Plug

Mains powered soldering iron with a 13A plug and silicone cable ideal for educational environments.

• 2.3mm Chisel Tip
• 230V Supply Voltage
• 18W Power Rating
• 390°C Temperature Range
• 182mm Tip Length
• 1.5uA Leakage Current
• Outer stainless steel shaft for strength
• Double Heating Shaft
• Meets BS EN60335-2-45, CE Conformity

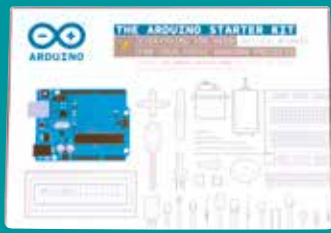| Order code 85-1135 | **£30.00** |

ANTEX

SEALEY

SD008 Soldering Station 48W

• 48W Soldering station with rapid heat up.
• Variable temperature control.
• Maintains temperatures between 160-480°C.
• Supplied with a metal soldering iron stand, tip sponge and replaceable tip.

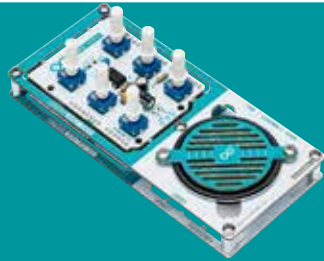| Order code 94-4974 | **£24.00** |

ARDUINO EDUCATION PARTNER

Starter Kit Including Uno Board

This starter kit serves as a hands-on introduction to the basics of the Arduino system.

Order code 73-4642 **£81.90**

Arduino Make Your UNO Kit

Learn the basics of electronics by assembling manually your Arduino UNO.

Order code 73-4399 **£49.45**

Arduino Uno A000066 Board R3

The Arduino Uno Board A000066 R3 is a microcontroller board based on the ATmega328.

It contains everything needed to support the microcontroller - simply connect it to a computer with a USB cable or power it with an AC-to-DC adaptor or battery to get started.

Order code 73-4440 **£20.45**

CTC GO! Core Module

The Arduino CTC GO! core module is an educational program that consists of several modules that can be combined to teach different STEAM (Science, Technology, Engineering, Arts, and Mathematics) subjects.

The modules are:
- Toolbox
- Online Platform
- Premium Training and Support

The program is tailored for ages 14 to 17

Order code 73-4866 **£1324.95**

Raspberry Pi APPROVED RESELLER

Pi 5 8GB SC1112
- Gigabit Ethernet with PoE+ support
- 5V/5A DC power via USB-C, with Power Delivery support
- microSD card slot with support for high-speed SDR104
- Dual 4Kp60 HDMI® display output with HDR support
- Paired USB 2.0 and 3.0 ports
- Dual 4-lane MIPI camera and display transceivers

Order code 75-1285 **£62.99**

Pi 4 Model B 4GB
- 2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac wireless LAN
- Bluetooth 5.0
- BLE True Gigabit Ethernet
- 2x Micro HDMI ports supporting up to 4K 60Hz video resolution
- Applications include embedded design & development, IoT

Order code 75-1008 **£43.30**

Pico W Single SC0918MAN
- RP2040, 2 x ARM Cortex-M0+
- Cores clocked @ 133MHz
- 264KB Multi-bank high performance SRAM
- Infineon CYW43439 supports IEEE 802.11 b/g/n wireless LAN and Bluetooth 5.2
- 2MB of on-board QSPI Flash memory for code & data storage
- 30 GPIO Pins

Order code 75-1232 **£4.17**

micro:bit

BBC micro:bit Pocket Sized Codable Computer V2

KEY STAGE 2&3

Order code 75-0153 **£11.88**

BBC Micro:bit V2 Go Bundle

KEY STAGE 2&3

GO bundle contains BBC Micro:bit V2, USB cable, battery holder, user guide & 2x AAA batteries.

Order code 75-0278 **£14.17**

Robo:Bit MK3 Buggy for BBC micro:bit

Learn about controlling motors and use the accelerometers or compass on the micro:bit to aid navigation.

Order code 75-5014 **£32.78**

For full range of glassware and plasticware visit: **rapidonline.com**

Low Form Beakers

Capacity	Academy Order code	Unit Price	Pack Size	Price	LabGlass Order code	Unit Price	Pack Size	Price	Simax Order code	Unit Price	Pack Size	Price	Kimble Chase Order code	Unit Price	Pack Size	Price
5ml					52-4044	£1.16	12	£13.97								
10ml					52-4034	£0.87	12	£10.45								
25ml	52-1088	£0.61	12	£7.36	52-4038	£0.92	12	£11.02								
50ml	52-0949	£0.62	12	£7.47	52-4043	£1.12	12	£13.38	52-0202	£1.49	10	£14.91	52-2264	£3.41	12	£40.88
100ml	52-0951	£0.66	12	£7.96	52-4033	£1.14	12	£13.69	52-0204	£1.30	10	£12.95	52-2265	£2.73	12	£32.76
150ml					52-4035	£1.15	12	£13.79								
250ml	52-0953	£0.79	12	£9.53	52-4037	£1.48	12	£17.74	52-0206	£1.26	10	£12.60	52-2266	£2.80	12	£33.54
400ml					52-4040	£1.51	6	£9.04	52-0208	£1.61	10	£16.08	52-2267	£1.39	12	£16.64
500ml					52-4042	£1.83	6	£11.00								
600ml	52-0955	£1.42	6	£8.51	52-4045	£2.14	6	£12.84	52-0210	£1.92	10	£19.15	52-2268	£3.49	6	£20.94
800ml					52-4046	£3.40	6	£20.37								
1000ml	52-0959	£2.22	6	£13.29	52-4032	£3.11	6	£18.68	52-0212	£3.35	10	£33.48				
2000ml	52-1089	£5.56	4	£22.23	52-4036	£5.54	1	£5.54								
3000ml					52-4039	£15.58	1	£15.58								
5000ml	52-1091	£17.42	1	£17.42	52-4041	£23.95	1	£23.95								
10,000ml					52-4031	£82.11	1	£82.11								

Conical Flasks – Narrow Neck

Capacity	Academy Order code	Unit Price	Pack Size	Price	LabGlass Order code	Unit Price	Pack Size	Price	Simax Order code	Unit Price	Pack Size	Price
10ml					52-4155	£0.88	12	£10.55				
25ml												
50ml					52-4162	£0.88	12	£10.59	52-1189	£2.91	10	£29.18
100ml	52-0969	£1.13	12	£13.61	52-4154	£1.58	12	£19.00	52-0214	£1.19	10	£11.85
250ml	52-0971	£1.56	6	£9.33	52-4157	£1.21	12	£14.53	52-0216	£1.78	10	£17.75
300ml									52-4257	£2.32	10	£23.19
500ml	52-0973	£2.37	6	£14.23	52-4161	£2.14	6	£12.81	52-1191	£2.66	10	£26.64
1000ml	52-1075	£3.50	6	£21.02	52-4153	£3.17	6	£19.00	52-1193	£3.91	10	£39.06
2000ml	52-1077	£9.56	1	£9.56	52-4156	£12.24	1	£12.24	52-1201	£8.45	6	£50.68
3000ml					52-4159	£15.33	1	£15.33				
5000ml					52-4160	£24.29	1	£24.29				

Round Base Cylinder Class B

Capacity	Academy Order code	Unit Price	Pack Size	Price	LabGlass Order code	Unit Price	Pack Size	Price
10ml	52-1431	£1.28	1	£1.28	52-4122	£1.45	10	£14.54
25ml	52-1433	£1.54	1	£1.54	52-4125	£1.45	2	£2.89
50ml	52-1435	£1.83	1	£1.83	52-4127	£1.67	2	£3.34
100ml	52-1437	£2.15	1	£2.15	52-4121	£2.07	2	£4.14
250ml	52-1439	£3.39	1	£3.39	52-4124	£3.20	2	£6.40
500ml					52-4126	£4.73	2	£9.45
1000ml					52-4123	£8.23	2	£16.45
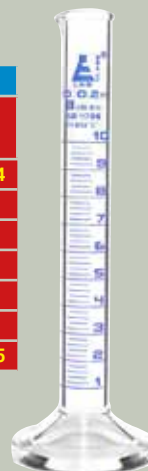
Test Tubes and Boiling Tubes with Rims

- Wall thickness between 0.8 to 1.0mm
- Smaller tubes are supplied in packs of 100
- 24 x 150mm tubes are supplied in packs of 50

Size	Quantity	Order code	1+
10 x 75mm	100	52-1895	£20.33
16 x 100mm	100	52-1255	£34.59
16 x 125mm	100	52-1900	£45.99
16 x 150mm	100	52-1897	£48.28
18 x 150mm	100	52-4285	£46.37
24 x 150mm	50	52-1902	£32.41

£185.95
Order code 06-6551

Renewable Energy Education Set

• Small-scale wind turbine, solar cell, fuel cells and loads
• Enough hardware, software, and curriculum for 4-5 students
• 40 hours of curriculum classroom activities

LIMITED OFFER

Horizon Educational

KEY STAGE 3+

£107.66
Order code 06-6559

Horizon Educational

Wind Energy Science Kit

• Complete wind energy curriculum covering vertical and horizontal axis turbines
• Blade angle adjustable from 0° to 55 degrees (3 positions)

KEY STAGE 2+

£70.72
Order code 06-6521

Horizon Educational

Fuel Cell Car Science Kit

• Demonstrates how hydrogen could be used as a 100% clean fuel for cars in the future
• When the car hits a barrier, it will automatically find its way by reversing and turning 90°

Requires water and 2x AA batteries (not included).

KEY STAGE 3 & 4
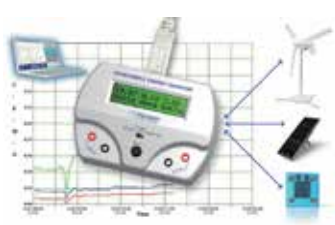
£89.46
Order code 06-6527

Hydrocar

Horizon Educational

• Watch as oxygen and hydrogen gases form in two transparent containers on the back of the vehicle
• Runs on clean hydrogen from a reversible Polymer Electrolyte Membrane (PEM)

Renewable Energy Monitor

Horizon Educational

• The Renewable Energy Monitor allows graphical display of performance characteristics on your PC
• Can be used with or without a computer, indoors or outdoors
• Ideal for experiments and evaluation activities using hydrogen fuel cells, miniature wind turbine kits, and solar panels

£152.70
Order code 06-6533

Horizon Educational

H-racer 2.0

• Powered by hydrogen which you create from water using the hydrogen station
• Electricity required for this process is supplied by a solar panel so the process is a truly green source of renewable energy!
• Kit includes a solar cell, hydrogen station, remote control, hydrogen fuel cell car, manual and experiment guide

£152.70
Order code 06-6531

eisco
Trust | Deliver | Learn

Young's Modulus Of Wires Apparatus

Young's modulus apparatus from Eisco, complete with ceiling bracket, two self-centering chucks and tension weight.

• Supplied in case

Order code 52-4215   **£36.38**

10 Piece Slotted Mass Set, 1000g

Set includes 9 x 100g weights and 1 x 100g hanger. Weights are made of high quality, powder coated, die cast zinc. Made to last with ±2% accuracy and includes hanger for easy use and transportation. A great alternative to expensive brass sets.

Order code 52-3172   **£17.88**

Spectroscope Kit

This industry standard spectroscope can be used for measuring light wavelengths and colours from various light sources. The spectroscope measures wavelengths from 400 to 700nm for detailed examination.

Order code 52-3382   **£6.44**

PH0467M Mounted Lamp 12v 24w

This can be used with the mounted in solar cell (PH1320). 12v 24w SBC bulb in a metal socket mounted on a base with pair of 4 mm sockets to tie into solar cellsupport rod.

Order code 52-3220   **£9.67**

Comprehensive Basic Electricity Kit

This comprehensive kit from Eisco provides a low-cost and flexible alternative to the "circuit board" approach for investigations into simple electricity circuits.

Each component - such as a switch, rheostat or bulb holder - can be mounted on its own individual plastic panel with 4mm sockets.

The panels are then formed into circuits by using 4mm stackable leads.

Each kit is supplied in two polystyrene trays that keep the units organised. Designed as a resource for the teaching of introductory electricity, these kits include a well-structured instructional material and robust components mounted on tough, plastic bases, each with two 4mm sockets.

Set includes:
• 6x cell holders (without cells)
• 6x bulbs in holders
• 3x press switches
• 3x two-way switches
• 18x connecting leads
• Primary Electricity Kit booklet
• Manufacturer's part BKEPH2010

Order code 52-4092   **£157.47**

Digital Meter 2000 counts
Class Pack of 16

VOLTCRAFT®

• Perfect storage solution for classroom multimeters
• Multimeters are held in place by a slotted foam sheet

Multimeter details:
• Diode test
• Acoustic: Continuity tester
• Non-contact AC Voltage Detector
• hFE transistor testing (with optional adaptor)
• Hold function
• Low battery indication
• Robust housing with soft rubber protection
• Supplied with Test leads, 9V battery and manual

only
£16.43
per multimeter

Order code
86-1090   **£262.88**

---

2 Channel Digital Storage Oscilloscope 50MHz

Tektronix®

Designed to meet the needs of today's educational institutions.

TBS1052C has a 7-inch WVGA colour display with up to 1GS/s sample rate, a bandwidth of 50MHz and a five-year warranty. It comes with an innovative courseware system that integrates the lab exercises with step-by-step instructions for use, by the students.

Special pricing available - see back page for details.

Order code
85-1756   **£451.00***

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4 Channel 1 GS/s 64 KP 8 Bit Oscilloscope 200 MHz

An entry-level 4-channel Digital Storage Oscilloscope (DSO) with 200MHz bandwidth, 1GS/s (max) sample rate, 8 bit resolution and 64kpts memory depth per channel (up to 1Mpts available when using only one channel). The digital oscilloscope is intended to be used for visualising electrical quantities and signals. There are four independent input channels available for measurement. The measuring leads are connected to the oscilloscope via BNC sockets.

VOLTCRAFT®

Order code
52-2967   **£818.85**

DDS Function Generator SFG-1003

GW INSTEK

The GW Instek SFG-1003 is an economic function generator with high accuracy and high stability output, are designed based on the DDS (Direct Digital Synthesized) technology embedded in a large scale FPGA.
• Frequency Range: 0.1Hz to 3MHz
• High Frequency Accuracy: ±20ppm
• High Frequency Stability: ±20ppm
• Max. Frequency Resolution: 100mHz
• Low Distortion Sine Wave: -55dBc, 0.1Hz to 200kHz

Order code
90-6092   **£158.97**

≡Rapid

RHMM17 Digital Multimeter

• Basic DC voltage accuracy 0.5%
• Large clear LCD display with backlight
• Low battery indicator
• Auto power off
• Display hold button
• Easy access for fuse changing
• Rubberised holster
• Red and black test probes
• K-type thermocouple temperature probe
• Takes a single 9V, PP3 battery (included).
• Conforms to IEC61010-1
• RoHS, CE, EMC & LVD compliant

£27.58

Order code
90-0005

ATP

600g x 0.01g Precision Weighing Balance

This ATP FGL-600 600g X 0.01G Precision Weighing Balance is housed in an impact-resistant ABS case with a 115mm stainless steel weighing pan, splash-proof membrane keypad, levelling bubble and adjustable feet. The balance can be either battery or mains powered via an AC/DC Adaptor.

Order code
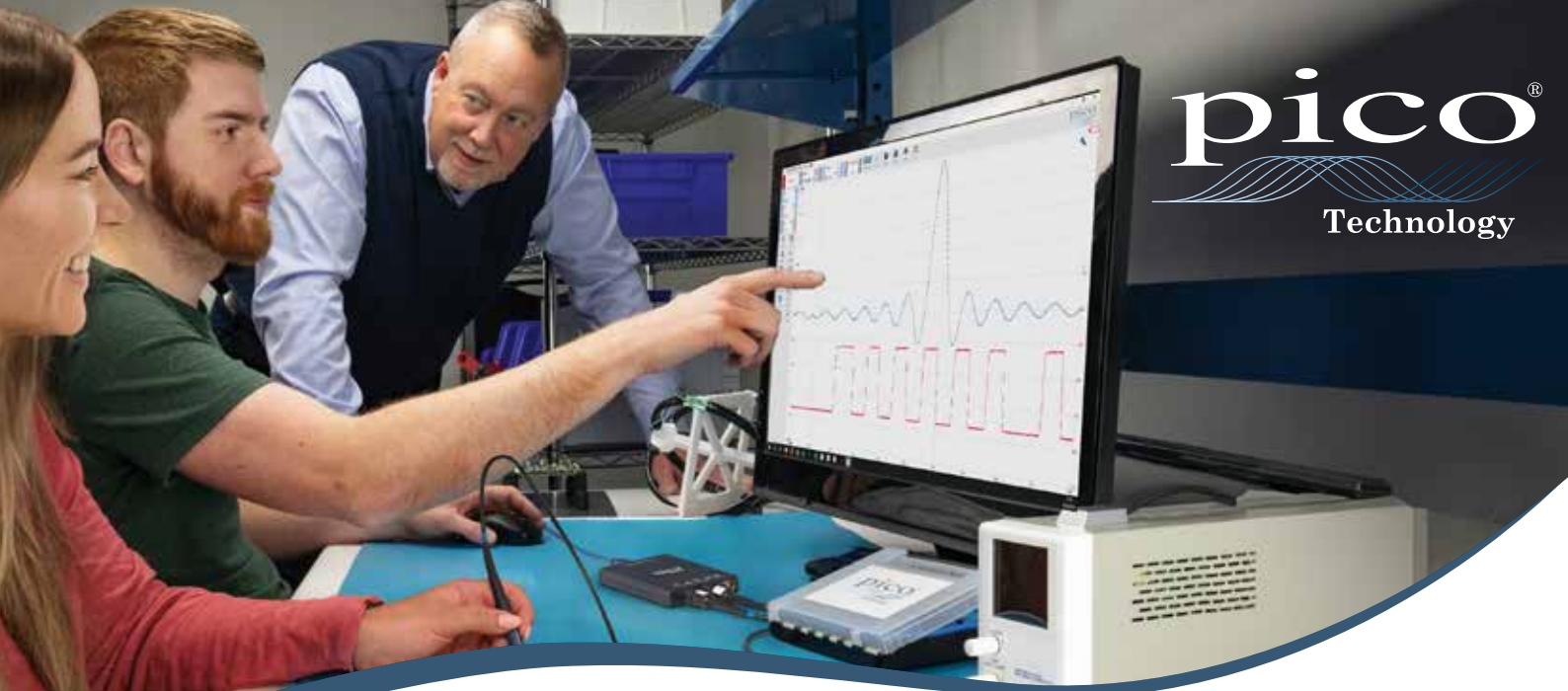90-6579   **£105.00**

Brannan

Green Fill Lab Therm-10/110(300mm)

These green fill laboratory 300mm thermometers are a safe alternative to traditional mercury filling.

• Moulded glass triangular top prevents rolling
• Temperature range −10 to +110°C
• Clear permanent markings

Order code
85-2654   **£2.21**

UNISTRAND® cable

1/0.6 Black Single Core Defence Standard 61-12 Part 6 Equipment Wire

- 1/0.6mm copper conductor
- PVC insulation
- Overall diameter 1.2mm
- Rating 1kV rms
- Max. operating temperature 85°C
- Weight of reel approx 400g
- Complies with Def Stan 61-12 part 6
- Supplied on reels of 100m

Also available in different colours:

Blue	01-0603	**£11.04**	Pink	01-0614	**£11.38**
Brown	01-0604	**£11.38**	Red	01-0616	**£11.38**
Green	01-0609	**£11.28**	Violet	01-0617	**£11.38**
Grey	01-0611	**£10.74**	White	01-0619	**£11.38**
Orange	01-0613	**£11.38**	Yellow	01-0620	**£11.04**

Order code 01-0601   **£11.39**

TruOpto

C-911 2.54mm LED Holder Solderless

A novel LED connector, with 200mm pre-stripped and tinned leads.

The connector simply clips to the rear of a panel- mounted LED and is retained in position by a patented clamping device.

- Wire size: 26AWG
- Suitable for use with all LEDs with leads on a 2.54mm pitch

Qty	Unit price	Qty	Unit price
5+	£0.939	25+	£0.777
100+	£0.652	1000+	£0.610
Order code 55-0167			

TruOpto

5mm 3.3V White LED (pack of 100)

Industry standard 5mm diameter 3.3V white LED, housed in a diffused lens package.

- Suitable for PCB or panel mounting applications
- Viewing angle 60°
- Cathode is shorter lead
- Supplied in packs of 100

Qty	Unit price	Qty	Unit price
1+	£26.70	10+	£21.00
Order code 55-1758			

TruOpto

5mm RGB Addressable LED 6V 15mA Diffused

This 5mm RGB LED features an intelligent control function that enables the LED to be controlled precisely to give a desired light output. The onboard IC uses CMOS technology and the LED can completely receive and decode data through a single wire. Multiple LEDS may be connected either in series or cascaded to enable the design of intricate lighting patterns.

Qty	Unit price	Qty	Unit price
1+	£0.973	25+	£0.877
100+	£0.774		
Order code 72-9625			

GP Batteries

AAA Super Alkaline Pack of 40
£15.54
Order code 18-4334

AAA Super Alkaline Pack of 24
£9.34
Order code 18-4333

≡Rapid

4WD Servo Robot Platform

- Strong, colourful aluminium chassis
- Supplied with 4 x servos
- All screws and nuts included
- Compatible with Arduino, OrangePip, PICAXE, Genie and others
- Does not require motor drivers

Order code 70-6416   **£17.21**

≡Rapid

2WD Servo Robot Platform

The 2WD Robot Platform from Rapid gives you the opportunity to build a simple robot at a bargain price
- Supplied with 2 x servos,1 x castor and all screws and nuts
- No motor drivers required

Order code 70-6415   **£15.88**

≡Rapid

360° Continuous Rotation Micro Servo

The servo is ideal for the beginners to robotics and is perfect for use with the Motor Shield for Arduino.
- Supplied with 5 various shaped servo horns
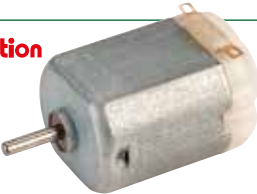
Order code 37-1335   **£3.41**

≡Rapid

SG90 Mini Servo

A low-cost, well specified servo ideal for use in radio-controlled models and for interfacing with microcontroller systems.
- Size: 23 x 12.2 x 29mm

Qty	Unit price
1+	£5.19
25+	£4.60
50+	£3.93
Order code 37-1330	

DC Motor 3V 13100rpm

- Two flat sides make the motor ideal for mounting on a PCB
- Operating voltage 1.5 to 4.5V DC
- Rotates counter-clockwise when viewed from shaft end
- Solder tag termination

Qty	Unit price
2+	£1.35
25+	£1.05
Order code 37-0140	

Miniature Motor 3V 5240rpm

- Ideal for models, robotics, etc.
- Operating voltage 1.5 to 4.5V DC
- Rotates clockwise when viewed from shaft end
- Solder tag termination

Qty	Unit price
1+	£1.67
25+	£1.18
Order code 37-0142	

Miniature Motor 3V 8000rpm

- Ideal for higher power requirements
- Operating voltage 1.5 to 6.0V DC
- Rotates clockwise when viewed from shaft end
- Solder tag termination

Qty	Unit price
1+	£1.63
25+	£1.26
Order code 37-0144	

Miniature Motor 3V 12200rpm

- Ideal motorised models, etc.
- Operating voltage 1.5 to 4.5V DC
- Rotates clockwise when viewed from shaft end
- Connect by 2.8mm fast-on connectors, or by soldering

Qty	Unit price
5+	£0.931
25+	£0.706
Order code 37-0146	

Miniature Low Inertia Solar Motor 2V 1540 rpm

A low inertia precision solar motor with a starting current making it ideal for low power applications. (2V nominal).

Qty	Unit price
1+	£3.42
25+	£2.77
Order code 37-0441	

Motor Clip

- Heat in hot water to soften for easier fitting
- Ideal for use with motors with a diameter of 21 and 23.8mm
- Paper packaging may be required with 21mm motors

Order code 06-6052 **£0.109**

Self-Adhesive Motor Mounts, Pack of 10

Self-adhesive plastic motor mount for miniature DC motors.

A push-fit motor mount clip is also included.

- Colour may vary

Order code 37-0360 **£2.80**

Micro Metal Gearmotor 50:1 Extended Back Shaft

This 50:1 ratio Micro Metal Gear motor from Pimoroni can achieve up to 420rpm and its small size makes it ideal for small robot platforms or other light mechanical loads.

Order code 75-0638 **£4.46**

AA Super Alkaline Pack of 40
£15.54
Order code 18-4332

AA Super Alkaline Pack of 24
£9.34
Order code 18-4331

PP3 Super Alkaline Pack of 4
£8.04
Order code 18-4335

Submarine Motor 120mm

A submarine motor encased in a plastic housing with a rubber sucker for attachment.
- Motor pulls apart to insert battery
- Twisting the battery starts the motor
- Dimensions 120mm(L) approx.
- Requires 1x AA battery (not included)

Order code 06-6050 **£2.09**

Solar Motor Worm Drive Gear Box

- Shaft length 125mm approx
- Speed (approx) 46rpm @6V

Order code 06-1592 **£8.45**

Economy Gearbox

- Complete with 3V motor
- Helps pupils to understand the mechanics and movement of gears and motors
- Reduction ratio 40:1
- Output shaft diameter 4mm

Order code 37-0165 **£4.12**

Worm Drive Gearbox with Motor

- Most suitable for applications where an easy to fit, high torque output is required
- Ideal for student based projects including robots and buggies

Qty	Unit price
1+	£4.25
10+	£3.72
50+	£3.46
Order code 37-0310	

330R Carbon Film Resistor 0.25W Box of 1000

Qty	Unit price
1+	£9.31
3+	£8.70
5+	£8.41
10+	£7.85

Order code 62-0361

10K Carbon Film Resistor 0.25W Box of 1000

Qty	Unit price
1+	£9.31
3+	£8.70
5+	£8.41
10+	£7.85

Order code 62-0397

1K Carbon Film Resistor 0.25W Box of 1000

Qty	Unit price
1+	£9.31
3+	£8.70
5+	£8.41
10+	£7.85

Order code 62-0373

0402 10R-1M 1% 121 values E24 series Lab Kit

Order code 62-1518

£128.05

330R Carbon Film Resistor 0.25W Pack of 100

Qty	Unit price
1+	£1.13
2+	£1.07
3+	£0.998
5+	£0.966

Order code 62-0358

220R Carbon Film Resistor 0.25W Box of 1000

Qty	Unit price
1+	£9.31
3+	£8.70
5+	£8.41
10+	£7.85

Order code 62-0357

1K Carbon Film Resistor 0.25W Pack of 100

Qty	Unit price
1+	£1.13
2+	£1.07
3+	£0.998
5+	£0.966
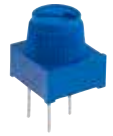
Order code 62-0370

1K 5% 1W Axial Carbon Film Resistor

Qty	Unit price
5+	£0.117
100+	£0.066
500+	£0.041
1000+	£0.0247

Order code 73-0069

1m 3/8 1-turn Finger Adjust Pot

Suntan®

Qty	Unit price
1+	£0.977
25+	£0.818
100+	£0.703

Order code 68-0248

100uf 16V Low Imp Electrolytic Capacitor

Suntan®

Qty	Unit price
5+	£0.087
10+	£0.085
100+	£0.072
1000+	£0.054

Order code 11-3666

GENIE

GENIE is a low-cost microcontroller programming system exclusively designed for schools and colleges. The free, user-friendly flowchart software enables you to add intelligence and control to both your new and existing design projects, eliminating the need for a separate programmer. You can download it via a USB or serial cable. It is also possible to run multiple programs simultaneously on a single chip and test programs live on a connected GENIE chip.

08 Microcontroller IC Version 2

Order code 13-6040

£2.24

18 Microcontroller Version 2

Order code 13-6042

£2.87

• 32 MHz 'turbo' speed mode
• 1-Wire, I2C and servo support
• On-screen monitoring and calibration of digital and analogue signals
• Plug & play operation automatically detects a GENIE IC when it is connected

Note: In order to program these version 2 GENIE microcontrollers, either Circuit Wizard 3 or the free GENIE Programming Editor software is required.

PICAXE

High performance Picaxe systems including Picaxe microcontrollers and starter kits available at Rapid. An extensive range of microcontrollers in the Microchip Picaxe system, ideal for educational use and commercial prototype development.

£3.14
Order code 13-5022

AXE007M2 08M2 Microcontroller

£6.75
Order code 13-5026

AXE015M2 18M2+ Microcontroller

£4.15
Order code 13-5024

14M2 Microcontroller

£86.00
Order code 70-1209

PICAXE Dice Project Kit

1.5V Miniature Buzzer (Black) with Flying Leads

- Frequency: 400Hz
- Sound output: 75dB at 10cm
- Height: 15.5mm
- Length: 33.5mm
- Width: 16.5mm
- Lead length: 150mm
- Mounting lugs with 2mm dia. fixing holes

Qty	Unit price
1+	£2.33
25+	£1.70
50+	£1.44
100+	£1.29
500+	£1.13
1000+	£1.02
Order code 35-0907	

3V Electronic Buzzer with 20cm Lead

A round electronic buzzer in black ABS housing with 20cm flying leads offering a high but rich sound.

- 2mm fixing holes in base
- KPMB-2600L series
- Voltage rating 3V DC
- Current rating 40mA
- 80dB at 20cm sound output
- Frequency 400Hz
- Diameter 26mm

Qty	Unit price
1+	£2.13
25+	£1.70
100+	£1.49
500+	£1.30
Order code 35-3587	

12V Electronic Buzzer PCB Mounting

- Resonant frequency 400Hz
- Black ABS case material
- Voltage rating 12V
- 30mA current rating
- Sound pressure level 80dB at 20cm
- Weight 10g

Qty	Unit price
1+	£1.95
25+	£1.64
Order code 35-3612	

6V Electronic Buzzer with 20cm Lead

- 2mm fixing holes in base
- KPMB-2600L series
- Voltage rating 6V DC
- Current rating 40mA
- 80dB at 20cm sound output
- Frequency 400Hz
- Diameter 26mm

Qty	Unit price
1+	£2.06
25+	£1.65
100+	£1.44
Order code 35-3588	

8 Ohm 50mm Ultraslim Paper Speaker 0.2W

This miniature ultra-slim loudspeaker is just 10mm in thickness and has a paper cone.

- Impedance: 8Ω
- Paper cone
- Nominal output power 0.2W
- 50mm diameter
- 10mm depth
- Wide frequency response enables use for speech, music or high frequency alarm output
- Solder tag termination
- Fitted with flange to assist mounting

Qty	Unit price
1+	£1.44
25+	£1.15
50+	£1.02
100+	£0.905
500+	£0.818
1000+	£0.780
Order code 35-0910	

Qty	Unit price
1+	£2.30
25+	£1.81
100+	£1.55
Order code 35-3596	

Electronic Buzzer 6V with 10cm Lead

- Resonant frequency 400Hz
- Black ABS case material
- Voltage rating 6V
- 30mA current rating
- Sound output 75dB at 20cm
- Weight 8g

Battery Clip PP3 Side Entry 300mm

- Heavy duty battery clip
- 24.5mm long, 11.8mm wide, 7.3mm high
- Hard moulded ABS cover makes the clip more robust
- Fitted with 300mm black and red leads with stripped and tinned ends

Qty	Unit price	Qty	Unit price
10+	£0.704	100+	£0.489
Order code 18-0091			

Battery Box 3 x AA with Switch

Enclosed battery box with detachable lid, moulded in black ABS.

- Suitable for 3 AA batteries
- Lids may be secured with the small screws provided
- Terminated in red and black stranded 26AWG wires approx. 150mm long
- Fitted miniature On/Off switch wired into the black (negative) wire

Qty	Unit price	Qty	Unit price
5+	£2.05	25+	£1.54
100+	£1.20	500+	£1.14
Order code 18-2908			

2 x AA Flying Leads Battery Holder

Holder for 2 x AA batteries with red and black flying leads for quick connection to equipment.

- Moulded in black thermoplastic
- Lead length 150mm

Qty	Unit price	Qty	Unit price
5+	£0.724	25+	£0.529
100+	£0.392		
Order code 18-0122			

Box Battery 2 x AA with Switch

Enclosed battery box with detachable lid, moulded in black ABS.

- Lids may be secured with the small screws provided
- Terminated in red and black stranded 26AWG wires approx. 150mm long
- Fitted miniature On/Off switch wired into the black (negative) wire

Qty	Unit price	Qty	Unit price
5+	£1.60	25+	£1.23
100+	£1.09	500+	£1.01
Order code 18-2906			

Rapid

Microtrak Positive Photoresist FR4 Single Sided 233.4 x 160mm - 1 Sheet

233.4 x 160mm single-sided copper-clad fibreglass PCB laminate photo-etch board coated with a high resolution photo-resist.

Microtrak laminates consist of FR4 epoxy-glass laminate sheets, dip-coated with a positive working photo-resist. The photo-resist contains a dye that provides a good contrast against the copper and allows boards to be easily inspected at the developing stage. Boards are protected by a specially designed light-proof blue film which allows them to be guillotined without the risk of fracturing the photo-resist.

- 233.4 x 160mm single-sided FR4 fibreglass laminate
- Thickness 1.5mm
- Copper thickness 35 micron
- High resolution positive photo-resist
- Supplied covered with blue light-proof film

Microtrack FR4 boards require a developer strength of 10 to 1. (Not 20 to 1 as with other products it replaces.) Exposure time is typically 2.5 to 3.5 minutes.

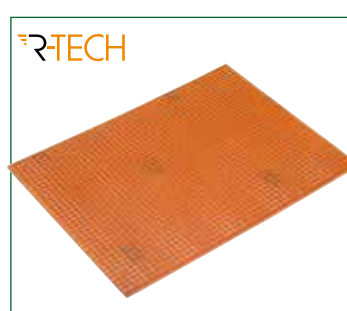| Qty	Unit price
1+	£10.03
5+	£8.97
10+	£7.83
Order code 34-1508	

R-TECH
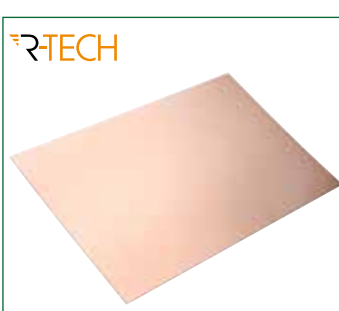
Copper Clad Single Sided FR2 Epoxy Paper 203 x 305mm

Single-sided copper-clad printed circuit board made from SRBP - a paper-based material.

- Length: 305mm
- Width: 203mm
- Thickness: 1.6mm
- Copper thickness: 35 micron
- Excellent for low-cost printed circuit boards
- Easier to drill than epoxy glass fibre
- Results in longer life for drills and cutting tools
- Suitable etchant - ferric chloride solution
- 150°C heat resistance

Qty	Unit price
1+	£4.05
10+	£3.52
25+	£3.15
50+	£2.93
100+	£2.82
250+	£2.70
Order code 34-1030	

Rapid

Jumper Wire Ribbon Dupont Cable M-F 40 Way Ribbon 200mm

These high quality jumper wires come in a strip of 40 with four pieces of each of ten colours.

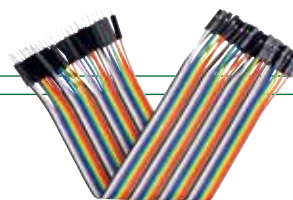| Qty	Unit price
1+	£8.13
10+	£6.84
100+	£5.88
Order code 34-0686	

R-TECH

Matrix Board 95 x 127mm, 36 x 50 Holes

This matrix board is manufactured from synthetic resin bonded paper (SRBP) and has holes punched on a 2.54mm (0.1in) grid. It can be easily cut to the size of your finished circuit.

- Plain board with a matrix of holes - no copper strips or pads
- Hole diameter 1mm
- Hole pitch: 2.54mm
- Length: 95mm (36 holes)
- Width: 127mm (50 holes)
- Total 1800 holes

Qty	Unit price
1+	£3.06
10+	£2.89
25+	£2.55
50+	£2.32
100+	£2.13
250+	£1.97
Order code 34-0415	

Rapid

StripCutter Stripboard Cutter 3.5mm

This simple tool is ideal for easy copper track cutting on stripboards and prototyping boards. Simply insert the tool in a hole at the point where the break is required and twist clockwise.

Qty	Unit price
1+	£5.89
10+	£5.21
50+	£4.23
Order code 34-0608	

Rapid

Jumper Wires Dupont Cable M-F 26AWG 1 Pin 2.54mm Pitch-15cm (Pack of 10)

- Male-to-Female
- Made from insulated 26AWG wire with crimped pin in plastic housing
- Pin size approx. 0.6mm
- Housing width 2.5mm (fits 0.1in. pitch)
- Plug pins fit connectors in breadboard without damage
- Supplied in assorted coloured packs of 10

Qty	Unit price
1+	£3.21
10+	£2.65
50+	£2.12
Order code 34-0679	

Jumper Wire Kit - Box Of 350

This jumper wire kit has been designed for use with protobloc prototyping boards has a variety of colours for easy identification and comes in a wide range of sizes.

- Convenient hinged plastic storage case
- Variety of colours for easy identification
- Pre-cut and pre-formed jumper wires with ¼in stripped end bent 90°
- Box dimensions: 270 x 124 x 30mm

Set includes 25 each of the following lengths: 0.1in (no insulation), 0.2in, 0.3in, 0.4in, 0.5in, 0.6in, 0.7in, 0.8in, 0.9in, 1in, 2in, 3in, 4in and 5in.

Qty	Unit price
1+	£46.87
10+	£41.97
Order code 34-0495	

Rapid

Red Label Junior Medium PVA 5lt

Scola Red Label Medium PVA Glue is a strong craft adhesive with excellent holding quality. It is ideal for use with fabrics, board and collage materials.

Order code 06-2277   **£11.24**

Glue Sticks Standard Temperature 300 x 11mm Dia.

• **Supplied in 1kg packs** (approx. 30 sticks)

Qty	Unit price	Qty	Unit price
1+	£26.61	10+	£24.32
Order code 87-0410			

Low Temperature Natural Hot Melt Glue Sticks 100 x 8mm Diameter.

Glue sticks suitable for use with Low temperature Hot Melt Glue Guns.

• Supplied in **packs of 12**

Qty	Unit price	Qty	Unit price
1+	£4.59	10+	£4.04
50+	£3.24		
Order code 87-4002			

Blue Label Washable PVA 5lt

Blue label PVA is the most widely used type of glue in pre-school. It is ideal for sticking paper and card, and is washable when wet and dry.

• Phatlate free
• Wheat and Gluten free

Order code 06-2274   **£9.06**

Trigger Feed DualMelt™ Glue Gun 25W

STANLEY

Heavy-Duty glue gun with convenient fold down stand for use between applications.

Uses dual melt 11 mm glue sticks.

Order code 84-7561   **£9.01**
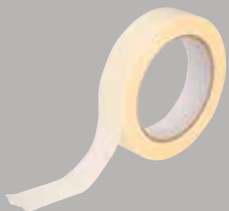
Glue Sticks Hot Melt Temperature 150 x 7mm Diameter

• Extra Long
• **Pack Quantity: 100**

Order code 97-3487   **£9.14**

TAPES

General Purpose Masking Tape 25mm x 50m

Qty	Unit price	Qty	Unit price
1+	£1.77	9+	£1.65
Order code 87-1927			

PVC Electrical Insulation Tape 19mm x 25m - Black

Qty	Unit price	Qty	Unit price
1+	£2.54	10+	£2.14
Order code 87-6458			

Black Gaffer Tape 50mm x 50m

Qty	Unit price	Qty	Unit price
1+	£2.81	6+	£2.64
Order code 87-1886			

Double Sided Tape 12mm x 33m

Qty	Unit price	Qty	Unit price
1+	£1.11	12+	£0.993
Order code 87-1873			

ECO RAX

Bin Kit Shelving Bay 1800 x 900 x 450mm + 40 x TC4 Blue

This TC bin kit shelving bay 1800 x 900 x 450mm + 40 TC4 blue containers from Eco-Rax provides the perfect solution for storing multiple small goods, while allowing for ease of identification.

Order code 14-1816
£213.21

SEALEY

Racking Unit with 5 Shelves

Fully painted steel frame with five MDF shelves. 340kg Capacity per level giving a maximum capacity of 1700kg per rack. Boltless design ensures simple assembly. Slots together in minutes. Two piece uprights allow use as a single bay rack or split into two separate shelf systems or workstations.

Order code 89-6678
£120.30

SEALEY

Racking Unit with 5 Shelves 220kg Capacity Per Level

Fully painted steel frame with five MDF shelves. 220kg Capacity per level giving a maximum capacity of 1100kg per rack. Boltless design ensures simple assembly. Slots together in minutes.

Order code 89-6679
£158.16

raaco

1200 Series 1260-00 Cabinet 60 Drawers

A professional quality cabinet constructed from high quality enamelled steel with 60 impact-resistant, durable polypropylene drawers.

SPECIAL OFFER

• Dimensions: 552 x 306 x 150mm
• Stop rim ensures drawers do not fall out
• Rubber feet for scratch protection and firm standing

Order code 14-1500
£44.95

raaco

HandyBox 55 x 4

The Raaco black/silver HandyBox 55 is a lightweight, portable storage unit which includes four Raaco Assorter 55 service cases, each with 14 compartments.

• Additional compartments are available separately to allow customisation if required
• Can be used as a stand-alone rack, or can be stacked, hung or grouped together
• Dimensions: 310 x 376 x 265mm (H x W x D)

Order code 14-0758
£45.84

DRAPER

350W 230V 5 Speed Hobby Bench Drill

The drill is manufactured with a steel pillar, heavy-duty 350W motor, 13mm capacity chuck and a large heavyweight stabilising foot. The table height is controlled via a rack-and-pinion system with left-right adjustment.

Order code 85-9379
£115.23

SEALEY

Variable Speed Scroll Saw 406mm Throat 230V

Quality cast rounded table, suitable for precise and intricate cuts. Features parallel arm design and quick blade changing system. Variable speed operation to cut multiple types of material. Fitted with adjustable safety guard and flexible dust blower to keep a dust-free work area. Supplied with a pinned blade.

Order code 89-4961
£120.00

SEALEY

Oscillating Belt/Spindle Sander 230V

Oscillating belt and bobbin sander with dust extraction port. The oscillation allows faster sanding and prevents burning of the workpiece. Features a tilting front table up to 48° for bevel sanding and has indents at popular angles 0°, 15°, 22.5°, 30° and 45°. Easily change between belt and bobbin sander with the supplied wrench. Supplied with 610 x 100mm belt and 13, 19, 25, 38 and 50mm bobbin sanders.

SPECIAL OFFER

Order code 84-1963
£178.54

CR Clarke
Today's technology for plastics

500 Hot Wire Strip Heater

The machine operates by heating a thin (0.9mm) diameter resistance wire, located in a guard channel beneath the material to prevent accidental touching. The wire sits approximately 4mm below the material and there is no physical contact between the wire and the material. The heating wire is powered from a transformer and operates at approximately 10 Volts.

Order code 34-8500
£450.00

Rapid

Clear Vented Safety Glasses

These safety glasses can be worn alone, or are perfect for fitting over most prescription spectacles.

• Vented to prevent fogging
• UV protected
• Lightweight polycarbonate
• Impact resistant lens
• CE marked
• Conform to ANSI Z87.1 2010 side-shield protection

| Order code 52-3596 | £1.92 |

Wraplite Clear Hardia™ Anti-Scratch Lens

The lens offers protection against low energy, high speed particles at 45m/s (101 mph). The optical qualities of the lens comply with the requirements of optical class 1 (highest).

• Wrap-around design
• Lightweight, one-piece polycarbonate lens
• Blocks 99.9% of ultraviolet radiation
• Conforms to EN166 1F

| Order code 87-0915 | £2.27 |

Martcare® Indirect Vent Goggle

The Indirect ventilation system of these safety goggles means that dust or liquid cannot directly fall into the goggles and gives additional protection over goggles which simply have perforated frames to allow air flow.

• Clear PVC lens
• Adjustable elasticated head-strap
• Conforms to EN 166- 1.B.3.4

| Order code 87-3104 | £2.48 |

Special Glove With Reinforcement - Youth

These welding gloves from Worky are made smaller than the adult versions so are ideal for use by youths.

• Additional palm, thumb and knuckle guard reinforcements
• Pulse protection
• Protection class: CAT III
• Size: M
• Standards: EN 12477-A

| Order code 51-8046 | £8.25 |

Medical Black Nitrile Powder-Free Examination Gloves

These skin-friendly gloves are powder-free, free from latex proteins and accelerant chemicals.

• Size: Medium
• **Box quantity: 100**
• Free from accelerators (suitable for people with type 4 allergy)
• DOP-Free (DEHP/Diethylhexyl-phthalate)
• Latex-like softness
• Maximum comfort

| Order code 87-0946 | £10.29 |

Ear Defenders Cat 3

Lightweight yet rugged construction offering protection to BS EN 352.1. SNR Rating 27dB. Adjustable swivel cups for optimum comfort and safety. Fully approved to protect against high noise levels in most working environments.

| Order code 94-0890 | £4.55 |

Moulded Disposable Valved Masks FFP3 (Pack 10)

These Scan FPP3 Premier valved disposable masks are designed to cover the nose, mouth and chin. The construction is made of the filter material itself, and the exhalation valve makes breathing easier. These masks have passed the optional Dolomite clogging test, giving the user better breathing resistance for longer.

• Sold in **packs of 10**

| Order code 97-1111 | £35.04 |

FAITHFULL
QUALITY TOOLS

Carpenter's Apron

A traditional style carpenter's apron manufactured from quality linen. Machine washable. Twin front pockets with tie straps.

• One size fits all.

| Order code 95-6802 | £5.91 |

Cotton Apron

Heavy duty cotton with neck loop, extra long waist ties and front pocket. Packed in polythene bag with display card.

• Length of apron: 1.3 metres
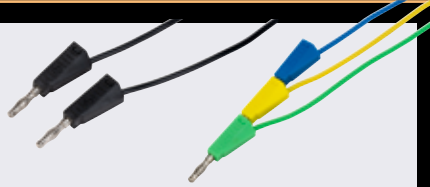
| Order code 91-4737 | £5.08 |

R-TECH

Tried & trusted technology

Lead Free Solder Wire

- Tin alloy with 0.7% copper, Sn99.3Cu0.7
- Flux cored
- Melting point 227°C
- **See website for high volume pricing**

SWG	Reel (g)	Code	Only
18	100	85-6864	£12.84
18	500	85-6865	£61.75
22	100	85-6867	£15.45
22	500	85-6868	£109.06

Stackable Test Leads

- Stackable Plug Connectors
- Socket Connection: 4mm
- Lead Length: 50cm
- Plug Length: 44.5mm

Colour	Order Code
Black	52-4591
Red	52-4592
Yellow	52-4593
Green	52-4594
Blue	52-4595

Price			
1+	25+	50+	100+
£1.15	£0.826	£0.736	£0.690

Croc Leads (Red ,Black, Blue, Green, Yellow) 380mm (pack of 10)

- Insulated Crocodile Clip at each end
- Lead Length: 380mm
- Jaw Capacity: 6mm
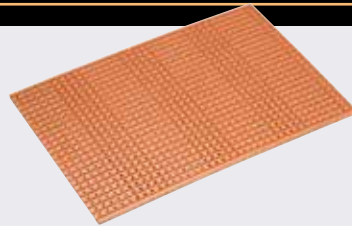- **Pack Qty: 10** (2 of each colour supplied)

Price			
1+	10+	25+	50+
£4.10	£3.23	£3.09	£3.03
Order code 52-4614			

PP3 Battery Clip with PCB Pins 150mm

Battery clip with 150mm long wires entering the cover at one end.

The ends of the wires are fitted with PCB connection pins.

Price		
1+	25+	100+
£0.853	£0.731	£0.64
Order code 18-0178		

2.54mm Pitch Stripboard

- Can be readily cut to size
- **See website for high volume pricing**

Size	Code	1+	10+
64 x 95mm	34-0411	£1.47	£1.39
95 x 432mm	34-0413	£9.75	£9.20
119 x 455mm	34-0414	£14.04	£13.27
95 x 127mm	34-0412	£2.61	£2.46

Solderless Breadboard Transparent 400 Points

- Solderless concept allows components to be used again and again
- Ideal system for teaching electronic systems and circuit design

Price			
1+	10+	25+	50+
£3.08	£2.89	£2.68	£2.53
Order code 34-1320			
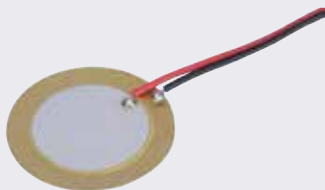
Piezo Element with Flying Leads 4200Hz 27 x 0.5mm

A 27mm diameter piezo transducer element fitted with 200mm flying leads.

Price			
1+	10+	50+	100+
£0.612	£0.576	£0.520	£0.480
Order code 35-0377			

Slide Switch DPDT

A miniature slide switch with solder tag connections and break-before-make DPDT contacts, suitable for a wide range of miniature electronic applications.

Price			
10+	50+	100+	500+
£0.546	£0.445	£0.358	£0.276
Order code 78-0560			

Miniature Push to Break Switch

A low-cost, light-duty, miniature push-to-break switch with a round, black actuator button.

Price			
10+	50+	100+	500+
£0.389	£0.340	£0.300	£0.270
Order code 78-0521			

Light Duty Wire Stripper

A high quality, light-duty, precision wire stripper with an adjustable gauge selector and spring loaded action.

• Adjustable gauge selector
• PVC handles
• Return spring
• Overall length 130mm

Qty	Unit price
1+	£6.09
10+	£5.38
20+	£4.48
40+	£4.31
Order code 86-0350	

Coping Saw Frame & Blade

This Draper Expert Coping Saw is chrome plated with a wooden tensioning handle, and a blade that can be turned through 360° for intricate work.

• Supplied complete with 1 blade
• 15tpi, 165mm, pin-ended blades are available separately in packs of 10
• Draper types 64408 (saw) 64416 (blades)

Qty	Unit price
1+	£8.93
Order code 86-0936	

Automatic Wire Stripper & Cutter for Single Strand & Ribbon Cable

Steel body with ABS moving handle. Wire stripper and cable cutter hardened and tempered SK5 steel. Strips and cuts single stranded cable from 0.2 - 6mm diameter. Also cuts 11mm wide and strips 14mm wide ribbon cable. Safety guard on wire cutter. Display packed.

Qty	Unit price
1+	£10.61
Order code 91-2423	

Venom Double Ground 250mm Tenon Saw

This tenon saw from Draper is made from high quality hardened and tempered carbon steel which has been straightened and stress relieved.

The blade has been double ground to ensure a faster cutting performance with sawdust removal on both forward and reverse action.

• Length 250mm
• 12tpi
• Blade width 1mm

Qty	Unit price
1+	£5.45
Order code 91-7254	

Wooden Metre Stick Ruler (Single)

• Graduated on both edges in centimetres and millimetres
• Graduations printed on one side only

Qty	Unit price
1+	£2.48
Order code 52-3376	

Coping Saw Blades 15TPI (Pack of 10)

High quality replacement blades for coping saws.

• Length 165mm
• 15 teeth per inch
• Supplied in packs of 10
• Draper type 64416

Qty	Unit price
1+	£3.47
Order code 86-0932	

Economy Mini Snipe Nose Plier

Economy electronic snipe nose pliers offering excellent value for money.

Qty	Unit price
1+	£5.26
10+	£4.50
20+	£3.81
40+	£3.55
Order code 85-0225	

Rapid Basic Electronics Tool Kit

This extremely economical zipped case tool kit contains five of the most commonly used tools within electronics.

Qty	Unit price
1+	£15.95
10+	£14.42
50+	£12.40
Order code 85-0064	

FAITHFULL QUALITY TOOLS

Apprenticeship student tool kits

Designed especially for use by Apprentices, College Students and Trainees.

More kits available, see website

Plumbers kit
£219.88
Order code 97-6757

Joiners kit
£279.10
Order code 97-6758

Electricians kit
£261.32
Order code 97-6759

R-TECH

Pozi Pan Head Self-Tapping Screws No.4 3/8in 9.5mm - Pk100

These R-TECH 337107 Pan Head Pozidriv Self Tapping Screws have a bright zinc-plated, passivated finish. Suitable for general use. Typical applications include securing sheet metal, wood and plastic together.

- Thread Size: No.4
- Thread Diameter: 2.9mm
- Thread Length: 9.5mm
- Supplied in packs of 100

Qty	Unit price
1+	£1.90
10+	£1.62
50+	£1.40
Order code 33-7107	

R-TECH

Nylon Hexagonal M3 F-F Spacer 10mm - Pack Of 100

These 5.5mm AF hexagonal female to female spacers have M3 tapped holes in both ends and are threaded throughout their entire length.

- Body length: 10mm
- Hole threaded depth: 10mm
- Thread: M3 x 0.5

Qty	Unit price
1+	£9.39
5+	£8.64
10+	£7.86
25+	£7.32
50+	£6.85
100+	£6.51
Order code 52-4346	

R-TECH

Nylon Hexagonal M3 F-F Spacer 15mm - Pack Of 100

These 5.5mm AF hexagonal female to female spacers have M3 tapped holes in both ends and are threaded throughout their entire length.

- Body length: 15mm
- Hole threaded depth: 15mm
- Thread: M3 x 0.5

Qty	Unit price
1+	£10.08
5+	£9.29
10+	£8.44
25+	£7.86
50+	£7.36
100+	£7.00
Order code 52-4347	

≡RVFM

Magnetic Sheet Self Adhesive A4 x 0.75mm

This flexible 0.75mm thick magnetic material attracts readily to steel and ferrous materials.

- Supplied in an A4 (210 x 297mm) sheet
- Ideal for attaching to the back of card or artwork to make moveable signs, notices, etc.
- Supplied with self-adhesive backing

Note: Not suitable for laser cutting.

Qty	Unit price
1+	£2.60
5+	£2.28
10+	£1.97
25+	£1.82
Order code 37-2007	

TOOLCRAFT

Wing Nuts DIN 315 Galvanised Steel M6
- Galvanised steel
- DIN 315
- Supplied in packs of 10 or100

£27.59
Order code 51-3404

Hexagon Nuts DIN 934 Galvanised Steel 6 - 8 M3
- DIN 934
- ISO 4032
- Supplied in packs of 100

£2.41
Order code 51-3431

Phillips Countersunk Metal Screws 2.9x6.5mm
- DIN 7982
- ISO 7050
- Supplied in packs of 100

£3.55
Order code 51-3148

Tamperproof Torx Panhead Self Tap Screws 4.2x13mm
- Stainless steel
- DIN 7981
- Supplied in packs of 10

£7.94
Order code 51-4291

Creeper Stool Pneumatic + Adjustable Height Swivel Seat & BackRest

£111.30
Order code 94-0493

CoSHH Substance Cabinet 900 x 460 x 1800mm

£535.40
Order code 94-4763

SEALEY

Digital External Micrometer 0-12.7mm/ 0-0.5"
Easy-to-read LCD digital display with auto off. Display switchable between Metric and Imperial units.

£23.30
Order code 89-7352

Soldering Iron Rechargeable 8W Lithium-ion

£27.74
Order code 94-4188

PICOSCOPE® 2000 SERIES
Portable, compact, low-cost oscilloscopes

pico ®
Technology

PicoScope 2000 Series devices are a complete electronics lab in one compact, low-cost, USB-powered unit. They provide oscilloscope, spectrum analyzer, function generator, arbitrary waveform generator and protocol decoding out of the box. Mixed-signal (MSO) models add a 16-channel logic analyzer.

- 2 channel, 4 channel and MSO models
- 6 instruments in one
- Ultra-compact design
- Up to 100 MHz bandwidth

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- Decode over 38 serial protocols as standard
- USB connected and powered
- Windows, Linux and Mac software

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VOLTCRAFT ®

PRECISE MEASUREMENT RESULTS

VOLTCRAFT measuring devices are manufactured with the utmost care. The precision of each device forms the basis for calibration following ISO or DIN EN ISO/ICE 17025. All VOLTCRAFT measuring devices are therefore available in the calibrated version. ISO calibrated mostly immediately from stock.

LIMITED OFFER

BENCH PSU 36VDC 5A 80W

The Voltcraft LSP-1165 is a Slim Design Laboratory Power Supply. The DC output range can be preset in three steps: 0 to 16V, 0 to 27V or 0 to 36V. The maximum current varies in these areas, so that a maximum power of 80W is achieved.

£102.55
Order code 64-3494

ANEMOMETER

The Voltcraft PL-130 AN Anemometer has been designed to measure the temperature, flow velocity and air flow of gases. The flow velocity can be displayed in five different units on the display and air flow can be displayed in two different units.

£78.28
Order code 64-3366

DIGITAL METER 2000 COUNTS CLASS PACK OF 16

The Voltcraft VC-130-1 is a Digital Multimeter that is a robust unit with a manual selection range. The VC-130-1 offers something for every user,and can handle measurements up to 250V.

- Diode test
- Acoustic: Continuity tester
- Non-contact AC Voltage Detector

£262.88
Order code 86-1090

450W SINGLE OUTPUT VARIABLE DC POWER SUPPLY

The HPS-11530 from Voltcraft's HPS series of high power DC bench power supplies is extremely compact at 200 x 90 x 215 mm thanks to its primary switched mode technology. Its full rated current range 0 - 30A is via the PSU's rear output, while its front output provides current limited to 5A.

£263.63
Order code 51-7194

WWW.RAPIDONLINE.COM/BRANDS/VOLTCRAFT

Tektronix®

MSO24 2-BW-70 Mixed Signal Oscilloscope
4 Channels 70MHz Bandwidth

This Tektronix MSO24 2-BW-70 Oscilloscope features 4 analogue channels, 70 MHz bandwidth, 2.5 GS/s sample rate, 16 channel MSO, optional 50 MHz Arbitrary Function Generator (AFG), advanced triggers, protocol decode, optional Digital Voltmeter (DVM) and frequency counter is packed with features, all in a compact form factor at approximately 38mm thick making it the go-to oscilloscope for electronic debug and test, no matter where you work.

- Portable
- Auto set button
- Touch screen
- Embedded help

£2,320.00
Order code 85-7356

DISCOUNT PRICE
£1,740.00*

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For Education Establishments
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email **education@rapidonline.com**
Offer ends 31st of July 2024

KEITHLEY
A Tektronix Company

5 ½ Digit Digital Bench Multimeter
Keithley 2110-240

This 5½-digit dual-display digital multimeter from Keithley offers a comprehensive set of capabilities, superior measurement accuracy, and high speed for a broad range of applications.

With 15 measurement functions and 7 maths functions and dual-line display capability, the 2110-240 can display two different measurements concurrently and is ideal for use by production, R&D and test engineers, scientists and students making a wide variety of measurements in portable, bench, and system applications.

£801.00
Order code 52-1237

DISCOUNT PRICE
£600.75*

Rapid education

Rapid Education part of the **CONRAD** Group

Orderline: 01206 751166 Email: sales@rapidonline.com
Rapid, Severalls Lane, Colchester, Essex C04 5JS

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