

STEAM

SCIENCE - TECHNOLOGY - ENGINEERING - ART - MATHS

@ H O M E



DALER ROWNEY



makeblock



We bring STEAM to life

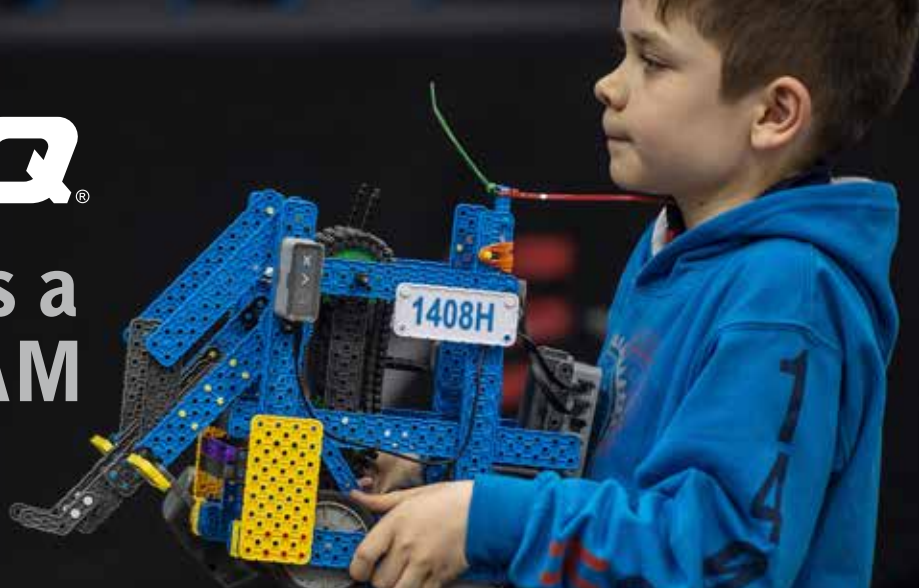
Rapid
education

www.rapidonline.com

Rapid Education part of the **CONRAD** Group

VEX IQ[®]

The path towards a passion for STEAM starts early



Primary and secondary school is the most formative time in a young student's life. The best way to instill a lifelong interest in the areas of Science, Technology, Engineering, Art and Maths (STEAM) is to provide a fun, engaging, and hands-on opportunity to explore and experience it for themselves.

By its nature, the study of robotics inherently incorporates all pillars of STEAM. VEX IQ is a snap-together robotics system designed from the ground up to provide this opportunity to future engineers of all skill levels. By packaging advanced concepts into an accessible package, the system also naturally encourages teamwork, problem solving, and leadership for students as young as 8.

The Super Kit takes educational robotics to the next level. Use the familiar handheld Controller with the pre-programmed code to drive robots right out of the box, or program them to run autonomously using the additional Smart Sensors. While the included Clawbot IQ instructions help students easily build their first robot, the wide variety of additional included parts means that a team of students can build a robot that is bigger, stronger, and more functional.

- Snap-together parts
- Includes programmable Brain, controller, batteries, 4 motors and 7 sensors
- Over 800 structural and motion components
- Supplied in stackable storage bin
- Use the FREE VEXcode Blocks app on Windows, Mac, Chromebook, iOS and Android to program your creations
- Numerous additional example robot instructions to download from www.rapidonline.com/vexiq

Coming Soon – preorder now!

VEX GO

GO get creative

Meet VEX GO.

An affordable construction system that teaches the fundamentals of STEAM through fun, hands-on activities that help young students perceive coding and engineering in a fun and positive way.

- Easy to assemble/disassemble
- Includes programmable Brain, battery, 3 motors, Eye Sensor, LED Bumper and Electromagnet
- Supplied in storage cases making it easy to keep track of parts
- Use the FREE VEXcode Blocks app on Windows, Mac, Chromebook, iOS and Android to program your creations

VEX GO kit £215.97

Shipping October

Preorder and find out more at www.rapidonline.com/vexgo



VEX 123

Robotics as easy as 123

Children as young as 5 can learn to code with VEX 123.



- Program sequences using the buttons on top of the robot
- Create more complex programs by sliding cards into the Coder
- Use the FREE VEXcode Blocks app on Windows, Mac, Chromebook, iOS and Android to unlock the full power of 123

Robot, Coder and cards £119.97

Shipping October

Preorder and find out more at www.rapidonline.com/vex123

WELCOME ...

To the Steam@Home mailer

It's been a challenging year for schools, with a significant amount of learning done at home instead of in the classroom. We hope that will change as we enter the new academic year, but home learning is here to stay. This is why we are bringing you the very best in Science, Technology, Engineering, Art and Maths products in these pages, with a special focus on Key Stage 1 and 2. This publication is packed with useful practical resources including electronics kits, the BBC micro:bit and e-textiles, as well as robotics for every age group. Some products are available in class packs giving exceptional value for money, while there are projects tips throughout.

Don't forget that we are official partners of Arduino Education and VEX Robotics, so we are able to offer extensive support for these products. Please do not hesitate to contact us for more information. We are also partnering with Steam School, the virtual Steam club for 9-14 year olds, and can offer 10% discount on subscriptions to this exciting platform. Find out more at www.rapidonline.com/steam-school.

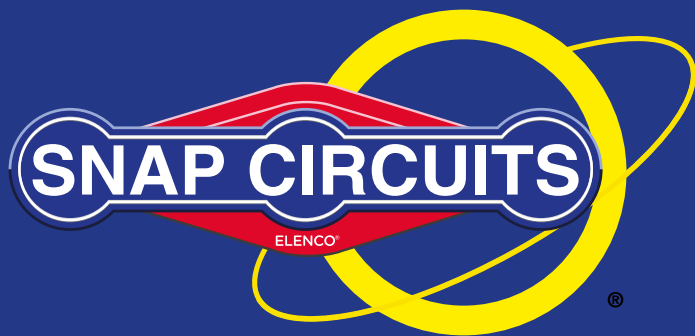
For a comprehensive hub of projects and resources related to STEAM learning, visit www.rapidonline.com/steam-lab.

Enjoy the mailer.

Pricing correct at time of going to press and includes VAT. For up-to-date pricing visit our website.



Snap Circuits	2-3
Electronic Project Kits	4
Rapid Kits	5
DF Robot Toys	6
BBC micro:bit	7
MakeyMakey	8-9
Robotics	10-11
Lego®	12-13
Solar System	14
Light & Optics	15
Solar Powered Kits	16
Microscopes	17
Shaw Magnets	18
Special Offers	19
Biology Models	20
Great Outdoors	21
Thames & Kosmos Kits	22-23
Textiles	24
E-Textiles	25
Art & Crafts	26-29
Maths	30-31
We Play	32



Snap Circuits® teaches basic engineering, electronics and circuitry concepts by using building components with snaps to assemble electronic circuits on a simple “rows-and-columns” base grid.

Radio Controlled Snap Rover

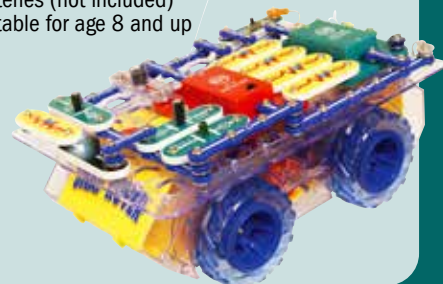
Only
£68.34
Order code
42-0036



Have fun building your own RC Snap Rover® using colourful Snap Circuits® parts that simply snap together.

This innovative kit offers a fun, hands-on education in electronics, allowing kids to create rovers and other fun devices by snapping together working circuitry. Guide your Snap Rover® with the easy-to-use remote control.

- Over 40 other experiments
- Over 50 parts
- Wireless Remote Control included
- Run up to three Rovers at once
- No Soldering required
- Multi-function, wireless remote control
- Easy to build using easy to follow directions
- Requires 1x PP3, 9V battery and 6x AA batteries (not included)
- Suitable for age 8 and up



Junior Plus

Snap Circuits Junior Plus allows for hours of educational fun whilst learning about electronics!

All components are mounted on plastic modules and snap together with ease. The electrical components provide students of ages 8+ with hands-on experience of designing and building models of working electrical circuits.

- Snap-together parts require no tools and ensure correct connections
- Includes 30 parts and instructions for over 100 projects
- Requires 2x AA batteries (not included)
- Clear and concise illustrated manual included and available online

Only
£26.83
Order code
42-0026



Junior Training Programme

The Model SC-100R is an exploration of the electronic components included with the SC-100 Snap Circuits®. Ideal for use in home-schooling, middle schools, and high schools where students will grasp the basic principles of electronics.

- For ages 8 and up
- Requires 2x AA batteries (not included)
- **Topics covered:**
Basic components & circuits
Series and Parallel circuits
Short circuits
Motors & electricity
LEDs
Resistance
Capacitors
Integrated Circuits of Snap Circuits

Only
£38.34
Order code
42-0027



Pro Training Programme

The Extreme Student Guide for SC-500R includes 138 pages of educational curriculum. Written with the help of educators, the Student Guide is essential in covering most topics related to the electricity and electronics being taught in middle schools and above. It includes real-world applications and problem-solving quizzes.

The Teacher Guide is meant to prepare educators for the proper introduction of Snap Circuits® and guide them through each chapter with quizzes for students to test their knowledge.

- Contains over 75 snap-together parts
- Builds over 500 exciting projects
- Requires 4x AA batteries (not included)
- Suitable for ages 8 and up

Only
£103.14
Order code
42-0029



3D Illumination

Only
£50.34
Order code
42-0028

Build over 150 projects or combine with other sets to build even more unique structures.

- Exciting light effects
- 3-colour light tunnel, mirrors & reflecting circuits
- Magnet & magnetic switch
- Projector with 6 images
- Includes vertical stabilizer, base grid stabilizer & base grid support
- Requires 3x AA batteries (not included)



Arcade

Features:

- 30 snap-together modules to make more than 200 projects
- Enjoy completing projects using a programmable Word Fan, Dual LED Display, and a pre-programmed Micro-Controller
- Clear and concise illustrated manual includes explanations for the different Snap Modules and concepts needed to build Arcade projects
- Suitable for age 8 and up
- Requires 3x AA batteries (not included)

Only
£47.04
Order code
42-0031



FM Radio

Only
£17.70
Order code
42-0034

The Snap Circuits FM radio kit allows you to build a radio that really works!

- You can make 4 projects!
- Requires 3x AA batteries (not included)
- Suitable for age 8 and up



Strobe Light and Sound

Only
£17.70
Order code
42-0035

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

- Makes 14 projects!
- Requires 3x AA batteries (not included)
- Suitable for age 8 and up

LED Fun

Only
£13.50
Order code
42-0033

Create your own colourful light show using LEDs with this fun Snap Circuits kit!

- Make over 10 different electronic projects!
- Requires 4x AA batteries (not included)
- For age 8 and up



Beginner Kit

Only
£18.23
Order code
42-0032

Begin your Snap Circuits® experience with a wonderful introduction to problem solving, following directions, and the satisfaction of a job well done.

Features:

- Build over 20 projects with the 14 parts included
- Extra safety features for younger engineers, age 5 and up
- Easy-to-follow colour manual with diagrams like no other Snap Circuits® kit
- Requires 3x AA batteries (not included)





ELECTRONICS KIT FOR BEGINNERS

The Velleman Electronics Kit for Beginners allows the first steps into the world of electronics. If you ever needed proof that electronics can be fun, this is it, as the EDU01 allows you to build your own circuits in a fun, safe and educational way.

The kit contains a breadboard and all the components needed to get started, so you can finish assembling your first circuit in just a few minutes.

- Suitable for ages 13+
- No soldering required
- High-quality breadboard with 456 contact terminals
- Extended manual
- Dimensions: 80mm x 60mm



Only
£12.14
Order code
70-4204

Projects include:

- LED with push button
- Transistor as current amplifier
- Astable multivibrator
- Simple burglar alarm with LED indication and sound
- Light detector
- Polarity tester
- Start-Stop circuit
- Timer circuit
- Light switch
- Water alarm



Only
£71.94
Order code
73-0207



STUDENT KIT

Learn the basics of programming, coding and electronics, including current, voltage and digital logic. No prior knowledge or experience is necessary as the kit guides you through step by step.

You'll get all the hardware and software you need for one person, making it ideal to use for remote teaching, home-schooling, and for self-learning.

10W + 10W STEREO AMPLIFIER KIT

Our most powerful audio amplifier kit has 10W per channel, meaning it can drive much larger speakers to give a loud, clear sound. The kit is available with speakers or without if you would prefer to add your own.

10W STEREO AMPLIFIER WITH SPEAKERS



Only
£14.32
Order code
70-0189

Rapid

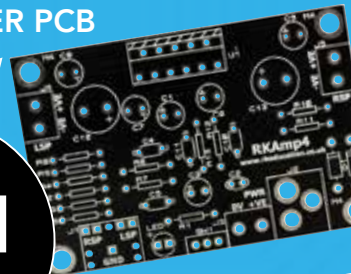
10W STEREO AMPLIFIER WITHOUT SPEAKERS



Only
£9.07
Order code
70-0188

Rapid

STEREO AUDIO AMPLIFIER PCB

Rapid


Only
£2.51
Order code
70-0195

TICK, TOCK

BUILD YOUR OWN CLOCK

CLOCK GROUP KIT

This kit enables pupils to create and design their own working clocks.

- Kit contains 10x wooden clock blanks, 10x clock mechanisms, 10x numeral sets and 100 sheets of A4 white card
- Clock blanks 170 x 170mm
- Suitable for all ages
- Supplied as a pack

Only
£30.00
Order code
13-0152

Rapid


QUARTZ CLOCK MOVEMENT

Only
£2.22
Order code
85-1430

Rapid


CLOCK NUMERALS SET

Only
£1.46
Order code
85-1421

Rapid


RECLAIM QUARTZ WALL CLOCK

Simply cut out a print of your favourite photo, using the template, to make your own unique dial.

Only
£5.51
Order code
06-8510


Adventa
reclaim experimentally

SOLDERING ZOO ANIMAL KIT



LLAMA



PANDA



LION



BUNNY



SHEEP



GIRAFFE



DFROBOT
DRIVE THE FUTURE

This DIY soldering kit contains everything* you need to create simple circuits with a minimum of electronics and soldering. Students will be introduced to the basics of circuits and soldering and have the opportunity to play with LEDs and batteries and bring the animals to life!

It's simple and fun, grab one panda from this kit of six zoo animals and solder a LED and battery box on the back, it then starts blinking immediately. You can place them in your paper zoo or pin them anywhere you like. You can also decorate them with cute accessories so they look perfectly unique! Perfect for use at home, in the classroom or after school events.

Kit includes:
6x pre-cut animal PCBs
6x LEDs
6x battery insulation pull tabs
6x CR1220 3V coin batteries
6x battery holders
6x double-sided sticky tapes



Only
£12.84
Order code
75-0163

Please note:
Soldering iron is
not included.

CLAYING INTERACTIVE KIT

This 4 Claying electronic DIY kit is a fun-to-play kit that combines the fun of sculpting with ultra-light clay and building interactive circuits around it. It is a great way of helping kids to learn the basics of electronics and to play with a sensor kit in an easy and intuitive way.

The kit contains not only vibrant coloured, non-toxic lightweight modelling clay, but also high quality colour LEDs and motion sensors to bring your sculptures to 'life'.

With up to 5 colours of clay and 2 colours of LEDs, you will be able to create a full colour spectrum and make your creation look fabulous. You can make use of these LEDs as eyes, stars or whatever you want, and use the motion sensor as a trigger. For example, a cat that blinks its eyes when you walk close to it. The PIR motion sensor detects the infra-red heat from people or animals moving close by and produces a switching signal.

Notes for clay:

- Fully knead before use
- Sprinkle with water and continue to knead if the surface is dry
- Keep unused clay sealed to preserve it
- Avoid storing in direct sunlight
- Dry naturally in air
- Do not eat
- Fully dry electronic components, if they get wet
- Slowly pull and plug to replace the LEDs
- If LEDs don't light, check the battery



Only
£21.54

Order code
75-0162



DFROBOT
DRIVE THE FUTURE

BBC

micro:bit

micro:bit barely needs any introduction. Since its launch in 2016 when 1 million devices were delivered to students across the UK, micro:bit's popularity has continued to grow and the device has been used by students all over the world to learn coding and basic electronics.

What is micro:bit?

micro:bit is a small, handheld programmable computer that can be used for making all sorts of fun projects from robots and remote controls to wearable electronic devices.

It has an LED matrix on the front for displaying messages and shapes, two push-button inputs, a 3-axis accelerometer to detect movement in all directions and a compass to detect heading. It can also transmit to and receive data from another micro:bit which means it can be used to send messages or act as a remote control.

* Starter kit contains micro:bit, USB cable, switched battery box and 2x AAA batteries.



STARTER KIT*
£15.41
Order code
75-0116

MICRO:BIT ONLY
£12.59
Order code
75-0115

micro:bit accessories

BIT:BOT XL ROBOT WITH ADDRESSABLE LEDs

Bundle includes the Bit:Bot XL robot, BBC Micro:Bit and 3x AA batteries. Pen and ultrasonic sensor are sold separately - not included.

Robot only
£41.88
Order code
75-5019

Bundle
£47.94
Order code
75-0299

4tronix



4tronix

ROBO:BIT BUGGY MK3

Micro:Bit not included



Only
£31.67
Order code
75-5014



Only
£19.80
Order code
75-0898

BIT:COMMANDER GAME PAD FOR BBC MICRO:BIT

Micro:Bit not included

4tronix

LINE SENSOR / FOLLOWER ADD ON PACK

When used with the Robo:Bit buggy the Line Follower Sensor Pack uses two line sensors to follow a black line and keep the buggy on track. You can write more complex programs that behave as required when you meet a T-junction or crossroads.

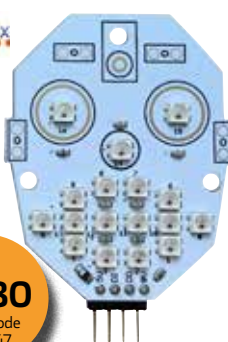
4tronix

Only
£6.00
Order code
75-0127



MICROBOFACE V1.0

4tronix



Only
£7.80
Order code
75-0147

We all like adding blinky LEDs to our electronic creations, whether it is a robot, weather station or something that reads and displays sensor data. Now with McRoboFace you can add emotions to everything at the same time as adding blinkies.



Only
£1.11
Order code
18-2899

BBC MICRO:BIT SWITCHED BATTERY BOX UPGRADE

Rapid

BINARYBOTS



Only
£41.94
Order code
75-0829

TOTEM TORTOISE PROGRAMMABLE ROBOT WITH SENSORS

Micro:Bit not included

FOR FULL DETAILS ON ALL OF THESE PRODUCTS VISIT WWW.RAPIDONLINE.COM

CRAFT & CODE

Interactive Stories



Craft a city out of cardboard, or draw a city to make an interactive poster. The idea behind this project is to craft or create buildings for an imagined city and then tell the story of the people who live in your crafted buildings.

Makey Makey are sharing this idea from the LEGO Foundation who are “inviting kids to create the buildings, neighborhoods, and stories of #StoryCity, a collaboratively constructed and imagined city that will let kids connect around the world.”

The picture below is an interactive #StoryCity Poster. The picture on the right is a crafted #StoryCity by Liam Nilsen. In fact you can craft your Story City however you would like! Either draw a city, build a city, or construct a city in a shoebox. The important thing is to imagine the buildings and the stories of the people who live in your crafted city.



TASK – ADD CONDUCTIVE TOUCHPOINTS TO YOUR CITY

Use thumbtacks, paper clips, or pencil drawings to make your city interactive with Makey Makey and Scratch. By adding different conductive touchpoints you are building the hardware that will go with the software you create in Scratch!

Everyday conductive materials:

Kitchen foil – paperclips – pencils – staples – pins – coat hangers

Plus many more!



Only
£21.22
Order code
73-5502

Makey Makey GO Includes Case with Magnet, Croc Lead, Keyring & Instruction Guide

The Makey Makey® GO brings inventing - on the go - to tinkerers, makers, and anyone who wants a fun and exciting way to transform a host of everyday objects, with just the snap of a croc clip, into an internet touchpad!

See what you've got to hand - banana, plant, frying pan, pencil line, coin, pet or friend (doesn't work with imaginary friends, which are non-conductive), or anything even a little bit conductive, and use it to send a signal, through the USB Invention Stick to a computer. Just plug, clip and play - no complicated setup, no programming knowledge needed, no software to install and works on both PC and Mac.

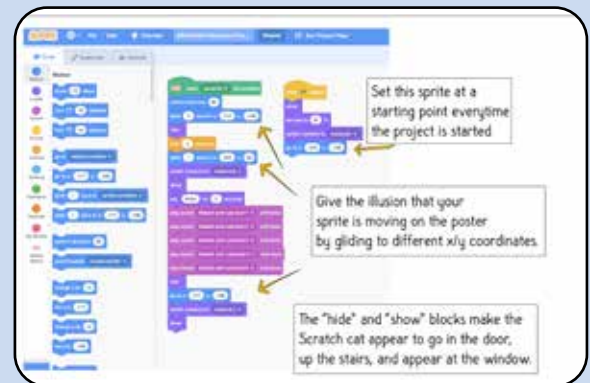
- Contents: USB Invention Stick, case with magnet, 1 white crocodile lead, key ring, and instruction guide
- Simple USB connection
- Have fun and expand your imagination
- For ages 6 up

TASK – PROGRAM EVENTS; CODE STORIES AND ANIMATIONS IN SCRATCH

Write the stories you want to tell on a piece of paper or type them up so you can record them easily into Scratch. If you use multiple sprites in your Scratch project, you'll have to record your stories with the correct sprite. Scratch is the software component to your interactive story invention! Let's look at some examples before you start coding your own software.

Here is an example of a coded Story City drawing in Scratch. Press the UP arrow to hear one story. Press the SPACE bar to hear another story. Lastly, press the DOWN arrow to experience the final story.

Here is an example of the coded story diorama in Scratch. To play along, Frederico asks you to find the pigeon drawing (press the SPACE key), the Family Portrait (which is connected to the UP arrow), the hiding dog (press the DOWN arrow), and the messy scribble by Bonnie (press the RIGHT arrow).



TASK – RECORD SOUNDS

To add your stories as sounds to your project, click on the "Sounds" tab where you can choose a sound from the Scratch library, record your own sound, or upload an mp3 or wav file to use in your project.

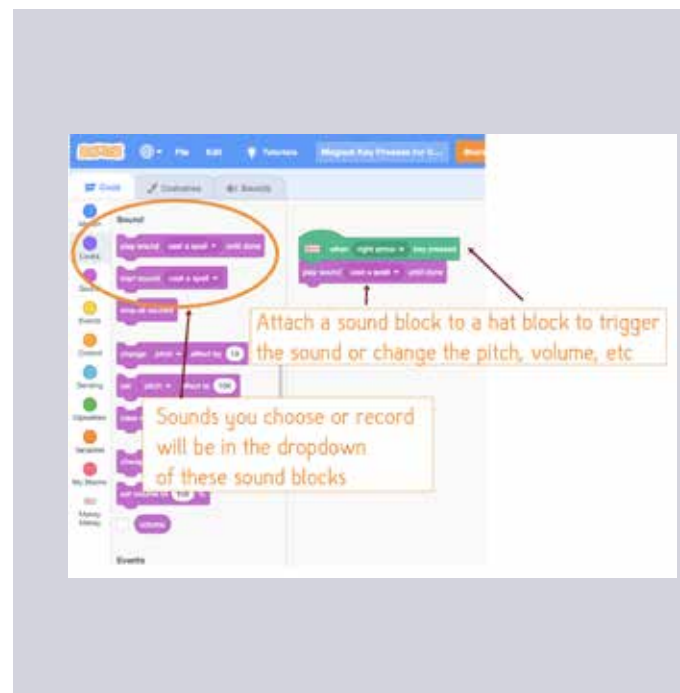
Click on the microphone to record your own sound.

TASK – CODING ANIMATIONS WITH MOVEMENT AND EFFECT

To get started making your story even more interactive, you'll need to understand a few things about coding. To create the software for your Makey Makey inventions, you have to speak to your computer in a language it understands!

Hook up Makey Makey and Share

Once you've coded your story in Scratch, hook it up to Makey Makey and share it with us!



Makey Makey Inventors Kit

From fruit to coins and even pets, the Makey Makey® kit can turn almost any conductive element into a keyboard or mouse. Plus, it is all completely safe - there is no danger of shocking your cat!

Plug the Makey Makey® into your computer, connect yourself to the earth bar simply by holding an alligator clip, and then touch any of the shiny pads to make it work. You'll see an LED flash every time you touch the board. Now attach one end of the alligator clips to the shiny pads and the other end to almost anything, touch that and the LEDs light up again. Every flashed LED is a key press or mouse command sent to the PC to control your favourite software.

Find music programs or online games and let your imagination run wild by designing a custom controller for them. Try drawing a game controller in pencil, hook up the alligator clips and the drawing is the controller. The kit comes with 7 alligator clips and 6 connector wires as well as a USB cable. No extra purchases are necessary to get Makey Makey® to work, not even fruit.

- Arduino compatible
- Simple USB connection
- Challenge and expand your imagination
- Invent ways to experiment and play
- Almost anything can be used as a keyboard

Only **£49.40**

Order code 73-5500

ROBOTICS



wonder
workshop



DASH ROBOT

Dash is a really smart robot that is packed with features and sensors - it can detect objects around it, knows which direction a sound is coming from, record and playback sounds and communicate with other Dash and Dot robots.

For younger children (5 to 7 years old) the Path, Xylo and Go apps are an excellent introduction to basic sequencing, spatial reasoning and navigation. For older children, Wonder and Blockly offer a visual coding experience that guides beginners through their first programs and lets students experiment with logic, loops and variables as their skills increase.

Only
£157.14

Order code 70-1100



DOT ROBOT

Dot is Dash's companion and is the brains without the brawn! Whilst Dot doesn't have wheels to make it move, it has loads of cool sensors and can interact with Dash as well as being used as a stand-alone device.

Dot can hear sound, light up any colour you like, know when and how it is being moved and communicate with Dash.

Programming Dot

Wonder Workshop have created a whole suite of free applications for iOS and Android phones and tablets. The apps are also available for Kindle.

Only
£53.99

Order code 70-1101



DASH AND DOT WONDER PACK

Includes:

- Dash robot
- Dot robot
- Xylophone
- Launcher
- Accessory pack
- Building brick connector pack

Only
£234.00
Order code 70-1104

CHALLENGE CARD SET



Only
£28.97
Order code 70-1107

ozobot



OZOBOT 2.0 BIT ROBOT

2.0 BIT
Ozobot takes kids on a fun and mesmerizing experience through creative drawing, problem solving and group challenges using colour code commands in the form of basic colour combinations.

2.0 BIT
£47.12
Order code 70-8200

EVO
• Bluetooth® Smart (30 ft. range)
• Proximity sensors for obstacle detection
• Optical sensors for detecting lines and colour codes
• Built-in speaker



EVO
£103.40
Order code 70-8203



WIRE-CONTROLLED KIT

Following the detailed instructions, you can build your own wire-controlled Robotic Arm, and control its movements via the remote control box.

£27.12

Order code 06-9349



MECHANICAL KIT

It is hand-powered and can pick up and relocate items using four degrees of freedom and an articulated grabber hand.

- Two alternate builds - Chopper and Scorpion

£29.99

Order code 70-0389



MOTORISED KIT

The VEX® Robotics Motorised Robotic Arm is a completely functional construction kit inspired by real industrial robot arms.

£89.99

Order code 70-0397

CODEY ROCKY PROGRAMMABLE ROBOT



makeblock education

£76.50

Order code 75-0516

The MakeBlock Codey Rocky is a coding robot for STEAM education. Codey provides an entertaining learning experience and introduction to programming for ages 6+. With the combination of easy-to-use robotics hardware together with mBlock 5 block-based programming, you'll be up and coding within minutes.

Codey Rocky features an innovative 2 in 1 design structure:

Brainy Codey

Codey is the brains of the outfit, having over 10 programmable electronic modules that produce enough data for a host of applications.

Agile Rocky

Getting around is what Rocky loves best. Not only will Rocky swirl and follow lines, it will also navigate around obstacles, and you will have programmed Codey Rocky to do it.

ULTIMATE ROBOT 10 IN 1 KIT

makeblock education

At the heart of the kit is the MegaPi robotics controller which is based on the popular Arduino Mega 2560 but with additional motor driver interfaces. With dedicated motor power inputs the MegaPi can drive up to 10 x servos plus 8 x DC motors or 4 x stepper motors simultaneously with a maximum output current of up to 10A. You can program it using the mBlock graphical programming tool or as you get more confident, graduate to C/C++ using the Arduino IDE. If you have a Raspberry Pi, it can function as the brains of your robot while the MegaPi handles the low level details opening up a whole new area for creativity and exploration. It also supports a Bluetooth adaptor for wireless remote control from your Apple iPad (v3 or better) or Android (v4 or better) tablet.

£262.68

Order code 75-0695



makeblock education



MBOT ARDUINO COMPATIBLE STEM ROBOT KIT

- Simple to build and program
- Range of free programming tools from beginner to advanced

2.4GHz

£97.40

Order code 75-0701



RANGER ARDUINO COMPATIBLE STEM 3-IN-1 ROBOT KIT

- Drive the mBot Ranger from your smartphone
- Complete kit, just add batteries

£162.22

Order code 75-0699





Power-up their learning fun with Super Mario™ in LEGO® form! The starter course set features a Mario figure that gives instant expressive responses via LCD screens and a speaker. Players earn virtual coins by moving LEGO Mario from the Start Pipe to the Goal Pole via spinning and cloud platforms, the ? Block, and super battles with the Goomba and Bowser Jr. toy figures. Rearrange the bricks to create new levels to master.

Enhanced play. A free LEGO Super Mario app is available for enhanced play. It has zoom and rotate viewing tools to make building easier, suggests other creative ways to build and play, and is a safe forum to share ideas with friends.

Mario unlimited! Great for solo play or group competitions, LEGO Super Mario sets bring a family-favourite character into the real world. This Starter Course offers unlimited challenges and nurtures problem-solving skills.



STARTER
COURSE SET
£49.98
Order code
70-6635

CHARACTER PACKS

Packs are dispatched at random and will contain one of the 10 characters shown

£3.48

Order code
70-6632



GUARDED FORTRESS EXPANSION SET

£44.88

Order code
70-6627



DESERT POKEY EXPANSION SET

£17.94

Order code
70-6622



WHOMP'S LAVA TROUBLE EXPANSION SET

£17.94

Order code
70-6623



PIRANHA PLANT POWER SLIDE EXPANSION SET

£24.96

Order code
70-6624



BOOMER BILL BARRAGE EXPANSION SET

£24.96

Order code
70-6625



Solar Powered Solar System

240 x 150 x 90mm

This Solar-Powered Solar System Kit is ideal for young astronomers and model-makers as they build, paint, then watch their own Solar System come to life.



Only
£12.50
Order code
06-9346

Solar System Orrery

Height 100mm



Buy Solar System Orrery from Cochranes of Oxford - a model of the planets and solar system, including a model of the Sun, which lights up, and the planets as far out as Pluto. The Earth is complete with its moon. The planets can be moved around the Sun by hand, and the Moon moved around the Earth. The Orbit Orrery is ideal for demonstrating the shape and motions of our solar system.

Only
£23.04
Order code
52-7143

Orbit Tellurium 2

650mm x 250mm

This interactive 3D teaching model from Cochrane's of Oxford shows the Sun, Earth and Moon, correctly geared and tilted to show each month as the Earth orbits the Sun.



Cochranes of Oxford

Only
£230.40
Order code
52-7141

THE SOLAR SYSTEM

Inflatable Globe

12in.



Learning Resources

An inflatable globe that shows continents, countries (differentiated by colour), major cities, oceans, lakes, rivers and other topographical features.

Only
£5.27
Order code
06-5858

Inflatable Solar System Set

Learning Resources

A set of models of the Sun, planets and the earth's Moon that will encourage students to learn about the position, order, size and shape of the contents of the solar system. When the lesson is finished simply hang everything from the ceiling.



Only
£28.87
Order code
06-5936

Giant Magnetic Solar System



These full-colour magnets can help you model all the concepts of the solar system, simply by using a whiteboard. The magnets include the 8 main planets, plus Pluto, the sun, the moon and the asteroid belt.

Only
£14.39
Order code
06-8960

Learning Resources

Pin Hole Camera for Behaviour of Light Demonstration



eISCO
Trust | Deliver | Learn

£18.52

Order code
52-3687

Light Box and Optical Set

This set of optical equipment is ideal for a wide range of reflection, refraction and colour-mixing experiments.

The optical set includes acrylic blocks, a set of three mirrors, two slit black plates and a set of seven mounted colour filters.

Note: Power supply for lamp not included.

eISCO
Trust | Deliver | Learn



£46.20

Order code
52-3673

Primary and Secondary Coloured Filters

eISCO
Trust | Deliver | Learn



Mounted
Colour Filters
50 x 50mm
Set of 8

£6.14

Order code
52-3686

Unmounted
Coloured Filters
100 x 100mm
Set of 6

£5.14

Order code
52-3694

38mm Acrylic Lenses Set of 6

eISCO
Trust | Deliver | Learn



38mm

£9.79

Order code
52-3683

50mm

£12.19

Order code
52-3684

Mixed Prisms in Wooden Storage Box - Set of 7 Prisms

eISCO
Trust | Deliver | Learn

£23.99

Order code
52-3362



eISCO
Trust | Deliver | Learn

Crookes Radiometer Round Plastic Moulded Base Glass Bulb 70mm Diameter

This radiometer consists of a partly evacuated glass bulb approximately 70mm in diameter, containing a fine pivot which supports four light weight metal arms. One side of each vane is blackened, the reverse side is bright.

£7.86

Order code
52-3332



Solar F1 Race Car Kit

170mm x 50mm



Only

£14.38Order code
60-3702**Solar Kit Vehicle Apollo**

70 x 40 x 30mm



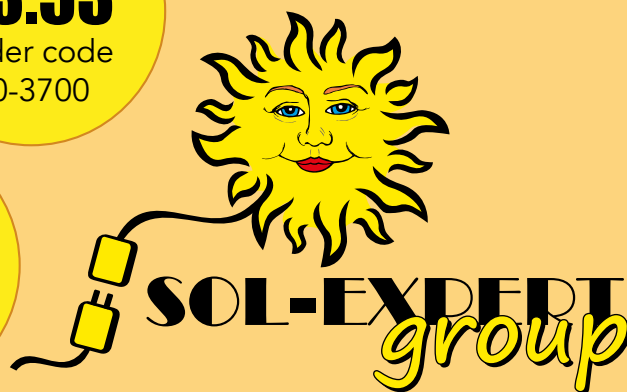
Only

£3.53Order code
60-3700**Solar Mini Racing Car Kit**

19 x 42 x 30mm



Only

£4.18Order code
60-3893**6 in 1
Solar Model Kit**

Only

£8.81Order code
60-3860**Solar Windmill**

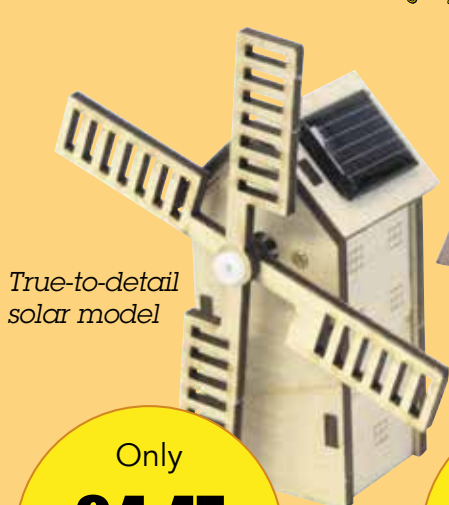
220 x 210mm



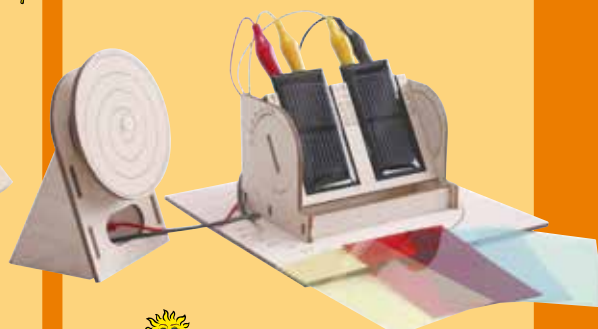
Only

£7.13Order code
60-3865*True-to-detail
solar model***Solar Mini-Windmill**

100 x 40mm

*True-to-detail
solar model*

Only

£4.47Order code
60-3857**Solar-Experimenting
Kit New Generation**

Only

£13.85Order code
60-3866

Supplied with:
2 mono crystal
solar cells, solar-
set point and
wooden column,
leads with alligator
clips, solar motor,
transparencies and
user manual.



Zoom Pocket Microscope

A simple, yet robust LED illuminated pocket microscope that allows you to see things under high magnification even in poor light conditions.

- 20x to 40x zoom
- Super bright LED illumination
- Includes a sample slide
- Size: 100 x 80 x 30mm

Takes 3x LR44 button cell batteries, included.


Rapid

Order code
06-7089

£8.39

CELESTRON
CELESTRON GLOBAL LIMITED



Optical Microscope Beginners Kit

- Biological microscope with powers from 40x to 600x
- 4x, 15x, and 30x objective lenses and 10-20x zoom eyepiece featuring high-quality glass optics
- Illumination: top pen light style uses 2x AAA batteries (not included); bottom illuminator uses 2x AA batteries (not included)
- Includes 3 prepared glass slides, 2 blank glass slides, 1 blank well slide, light diffuser, needle probe, eye dropper and tweezers

Order code
52-9641

£37.50

CELESTRON
CELESTRON GLOBAL LIMITED



Stereo Microscope Kit CL-S20

- Great introductory stereo microscope with 20x power
- Easy to use out of the box with two included insect specimens
- 10x eyepieces with 2x objective lenses
- Metal head with coarse focusing knob
- Upper LED illumination for detailed viewing
- Two AA batteries (supplied)

Order code
52-9643

£69.00

Microslides Sets of 10

eISCO
Trust & Delivery Guaranteed



Cells of Your Body

Order code
52-3394

£42.84

Digestive

Order code
52-3395

£30.47

Circulatory System

Order code
52-3396

£35.65

Nervous System

Order code
52-3397

£29.35

Respiratory System

Order code
52-3398

£32.14

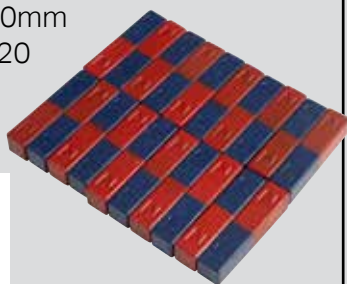
Human Blood System

Order code
52-3399

£25.99

FERRITE MAGNETS BLOCKS

9 x 9 x 40mm
Pack of 20



Buy Ferrite Magnets (Blocks) Pack of 20 from Shaw Magnets – low-cost painted bar magnets that are illustrated with red and blue poles, stamped with N and S.

Order code
06-0584

£7.13**CERAMIC BAR MAGNETS**

11 x 10 x 50mm
Box of 20

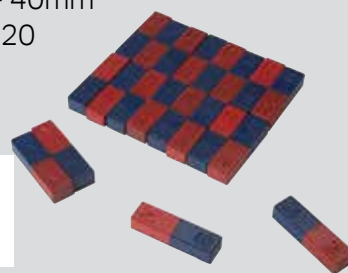


- Size of each magnet 14 x 10 x 50mm
- Easy to see if all magnets have been returned after use

Order code
06-6302

£14.65**LARGE FERRITE MAGNETS**

Blocks - 40mm
Pack of 20



Buy Large Ferrite Magnets (Blocks) Pack of 20 from Shaw Magnets – low-cost, large painted bar magnets, with red and blue poles, stamped with N and S.

Order code
06-0586

£8.47**COLOUR MAGNETIC WANDS**

Wand Length 190mm
Pack of 6



These plastic magnetic wands from Shaw Magnets are ideal for use with primary school classes. Supplied in a range of bright colours, these wands can be used in conjunction with metallic chips and magnetic marbles to display the forces of magnetism.

Order code
06-9991

£6.70**PLOTTING COMPASSES**

Diameter 14.5mm
Pack of 50



The Shaw Plotting Compasses 14.5mm (Pack of 50) are manufactured in a plastic case and can be used to plot lines of magnetic fields.

Order code
06-0668

£12.56**MAGNETIC FLOATING RING SET**

5 Magnetic Rings & Plastic Stand



- Create a floating magnetic trick
- Children will achieve this by simply stacking the rings with like poles facing each other so they repel
- Dimensions 24mm diameter x 5mm width

Order code
06-5980

£5.02**EXPERIMENTS FOR MAGNETISM SET**

- 16 experiments linked to QCA Science Curriculum for Key Stage 1
- Supplied with an A4 background information booklet
- The kit is supplied with:
 - Four wands
 - 20 magnetic marbles
 - Two plastic cased magnets
 - A super magnet
 - Set of floating ring magnets
 - Small horseshoe magnet
 - Compass magnet
- Supplied in a purpose made plastic moulded carry box for easy counting in and out
- Suitable for Key Stage 1 (ages 5 to 7)



Order code
06-5984

£37.67**MAGNET & MATERIALS KIT**

Kit contains: alnico bars, alnico button magnets, ferrite blocks and rings, chrome steel horseshoe magnet, alnico horseshoe magnet and coloured squares of magnetic rubber

Order code
06-0590

£31.49

GIANT HORSESHOE MAGNET

Length 210mm

Powerful magnets with North and South poles clearly marked are housed at the ends of this impressive giant horseshoe magnet from Shaw Magnets.

Order code
06-9989

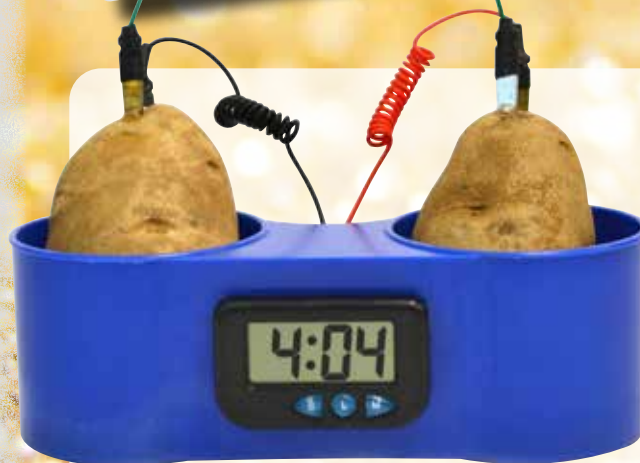
£3.77



MAKE YOUR OWN
BATH BOMBS KIT

£9.55

Order code
06-8251



eisco
Trust | Deliver | Learn

**Premium
Potato Clock**

£9.17

Order code
52-3610

SUPER MAGNETS (PAIR)



Buy Super Magnets (Pair) from Shaw Magnets – an incredible new super magnet, that allows children to safely experience firsthand, the force of neodymium, currently the world's strongest magnetic material.



Order code
06-0526

£12.55



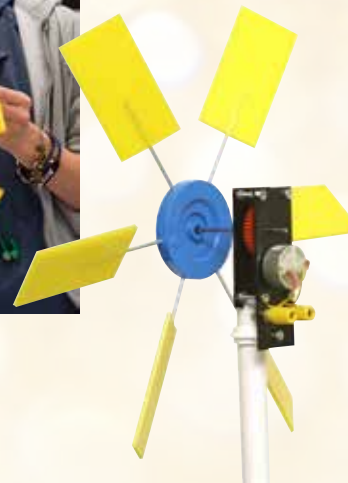
Rapid

Wind Turbine

This Wind Turbine model can be used to carry out a wide range of experiments with wind power. The blades of the turbine can be easily adjusted, attached and removed. This allows students to investigate the effects of changing the number, pitch, size and shape of the blades.

- Corrugated plastic blades
- DC output
- Supplied assembled

ONLY
£22.73
Order code
06-1573





eISCO
Trust | Deliver | Learn

Only
£33.80
Order code
52-3389

Digestive System Model of 2 Parts

This hand-painted, anatomical model of the human digestive system shows the nose, mouth cavity, pharynx, oesophagus, the gastro-intestinal tract, liver with gall bladder, pancreas, spleen, duodenum, and opened caecum and rectum.

- Transverse colon is removable
- Model is mounted on a base
- Structures numbered, supplied with key card
- Length 450mm, Width 200mm

Giant Teeth Demonstration Model



Only
£20.72
Order code
06-6764

Rapid

• Size: 150 x 185 x 140mm

3 x Life Size Dental Care Model



eISCO
Trust | Deliver | Learn

Only
£18.98
Order code
52-3504

Size
330 x 150 x 50mm approx.

Human Brain Model



Only
£46.63
Order code
52-3506

eISCO
Trust | Deliver | Learn

Approximate size: 190 x 150 x 150mm

Cross Section Foam Human Brain Model



Only
£12.90
Order code
52-6016

Learning Resources

Model measures 130mm in diameter

Human Ear Model



Only
£53.94
Order code
52-3511

eISCO
Trust | Deliver | Learn

- 4x life-size
- Hand painted
- 5 parts

Cross Section Foam human Heart Model - 130mm Diameter

This human heart model separates to create a cross-section view for hands-on demonstrations.



Only
£12.90
Order code
52-6014

Learning Resources

Science Habitat Centre for Herbs, Insects or Pond - 700 x 520 x 525mm



This science habitat centre from Cicada is a fantastic addition to any classroom, presenting an ideal introduction into the world of nature and insects.

The centre creates a variety of exciting environments within the classroom, from an all herb garden, butterfly/insect house or even a mini pond. The versatile design provides open and easy access, while the bottom tub comes with two different plugs, one with ventilation holes and one for use with water.

- Great for the classroom!
- Open and easy access
- Versatile - herbs, insects or pond!
- 70 x 52.5 x 52.5cm

Only
£276.83
Order code
52-2315



Tuff Trays and Stands

These tuff trays and stands from Cricket are art and crafts trays designed for children to use in a number of various role play scenarios. Extremely versatile, the durable trays can be used for sand, water and messy play, while the sturdy metal stands have an adjustable height of 450mm, 550mm or 650mm.



Black
£62.96
Order code
52-2403

Blue
£62.96
Order code
52-2404

Green
£62.96
Order code
52-2405

White Pond Trays



Small: 342 x 251 x 51mm
Large: Large 420 x 312 x 92mm

Small
£2.32
Order code
06-9924

Large
£3.52
Order code
06-9923

Bug Pots



- 44 x 50mm
- 2.5 x Magnification
- Pack of 10



Pack of 10
£10.03
Order code
52-1618

Telescopic Insect Net



- Size of net: 720 x 300mm
- Telescopic aluminium handle extends between 500 & 1000mm

Only
£8.27
Order code
52-2189

Insect Pooter



70mm x 54mm
£2.14
Order code
52-3097



Motors & Generators Experiment Kit

Electric motors and generators can be found in countless devices, appliances, and vehicles we use every day. They are an essential technology in our modern world. With this kit, you can conduct 25 experiments to learn how an electric motor converts electricity into motion, and how an electric generator does just the opposite, converting motion into electricity.

The electric motor is made of transparent plastic to show how the inside components work. Set up the motor to run on battery power and learn how a motor works. Then reconfigure the device to work in reverse as a hand-cranked electric generator. Experiment with magnets to learn about the forces of magnetism, and how magnetic fields relate to electric current. Build simple circuits consisting of the motor or generator, wires, and a light bulb to learn about the flow of

electricity. Learn about gears and drive-trains and how they work to effectively convert kinetic energy into electrical energy and back again.

- 25 experiments
- Full-colour, 48-page manual guides your experiments
- Step-by-step instructions
- Ages 8 and up

£26.39

Order code
70-0342



Genetics & DNA Experiment Kit

Head into the lab for an in-depth investigation of genetics, the branch of biology focused on heredity and variation in organisms, and DNA, the acid that holds the blueprints for life. See genetic material with your own eyes as you isolate the DNA from a tomato in a test tube. Investigate inheritance and learn how traits are passed down from parents to children. Learn about dominant and recessive genes and play inheritance games to determine how traits will be expressed.

Learn about the biology of reproduction, the components of cells, and how chromosomes are combined and copied. Assemble a model to see the elegant double-stranded helical structure of DNA. Then crack the genetic code and find out how the different parts, called nucleotides, fit together. Analyse DNA evidence to identify suspects and solve

a crime. Breed your own bacteria colony to experiment with survival of the fittest. Read about how mutation affects genes and how scientists clone plants and animals.

- Supplied complete with 48-page full-colour manual

£26.39

Order code
70-0343



Air & Water Power

Build your own models powered by air and water pressure to learn about the laws of physics.

This unique kit allows you to build two different air-and-water-powered systems: water-jet propelled cars and hydro-pneumo (which simply means air pressure and water pressure) powered engines. The hydro-pneumo system uses a self-contained air-and-water turbine system as a motor.

Construct 15 models including a truck, excavator, radar car, tank, antique car, helicopter, motorbike, digger, rocket car, forklift, roadster, propeller plane, grinder and cutting machine. The water-jet propelled cars are a fun outdoor activity, while the self-contained hydro-pneumo powered models are fun both indoors and out. Compete with your friends to see whose water-jet propelled car and hydro-pneumo car goes the fastest!

A 48-page colour instruction book illustrates the step-by-step assembly of each model and related principles so that children learn through playing.

- Construct 15 models including a truck, excavator, radar car, tank, antique car, helicopter, motorbike, digger, rocket car, forklift, roadster, propeller plane, grinder and cutting machine
- 48-page colour instruction book
- 165 building pieces

£38.39

Order code
70-0357



Advanced Physics Pro Science Kit

With this advanced physics kit, you can continue your study of statics and dynamics from previous lessons and begin your study of more advanced topics in physics, including fluid dynamics, energy, oscillation, hydraulics, and pneumatics. By adding advanced topics like fluid dynamics to your physics repertoire, you can now build some really spectacular models and devices, such as a wind tunnel, pneumatic shocks, and a hydraulic lift. You will see how physics extends far beyond the classroom, giving us an amazing set of tools that can be applied in the real world to engineer marvellous things.

The main focus of the kit is the behaviour of the two most important fluids in our world: water and air and objects immersed in them. You will investigate how air and water rest and flow, what they can carry and how they move. With experiments and models, you will find out what forces work on them and

what kinds of energy they possess. You will learn how ships float and aeroplanes fly, why a streamlined shape lets a car drive faster and how power stations convert a current of water into electrical current.

- 96-page, full-colour experiment manual
- Over 213 parts
- Ages 10 and up

£60.41

Order code
70-0361



Solar Mechanics Experiment Kit

Power Your Machines with the Sun's Energy!

Build more than 20 solar-powered models to learn about how solar cells convert energy from sunlight into mechanical energy. Conduct experiments with the solar cell to see how different placement angles, different light levels, different sources of light, and different loads affect its operation. Learn about solar power in a fun, hands-on way.

The kit includes a unique single-piece solar motor that is composed of a photovoltaic cell and an electric motor joined together in one compact unit. With this solar motor, you can power dozens of electric vehicles and devices. Build models including cars, trucks, planes, windmills, waterwheels, robots, and other vehicles.

- 60-page, full-colour experiment manual
- Step-by-step illustrated instructions for building projects and experiments

£29.32

Order code
70-0345



Electricity & Magnetism Experiment Kit

Conduct more than 60 electrifying experiments with circuits and magnetic contraptions to learn about electricity and magnetism, and how these two fundamental properties are closely related. Children of eight years and up can safely and easily experiment with electric current and magnetic fields using the colourful snap-together blocks and components in this hands-on kit.

Build series and parallel circuits to light up a light bulb. Experiment with push buttons and on-off switches. Assemble circuits that include a spinning motor, two switches, and up to three light bulbs.

Conduct tests to see which materials are magnetic. Learn about the force of magnetism and magnetic poles. Magnetize a metal object. Use iron filings to make invisible magnetic fields visible. Investigate magnetic force and direction with a

magnetic pendulum device. Learn how a compass works and about Earth's magnetic fields. Conduct a series of experiments with a sturdy electromagnet.

- Conduct more than 60 electrifying experiments
- 64-page, full-colour experiment manual guides you through experiments with easy-to follow diagrams

£51.59

Order code
70-0354



Power House Sustainable Living

The energy consumption of human civilization is growing. At the same time, the harmful environmental impact of our energy usage is becoming apparent. A massive global effort to adopt renewable energy and use our resources more sustainably has begun. To live sustainably, we must use Earth's resources at a rate at which they can be replenished, and thus provide for future generations to live as we have.

With this kit, you can learn about alternative energy and sustainable living by conducting 100 experiments and building energy related models. Build the Power House and then conduct experiments in and around the house. Learn about energy-efficient construction materials and passive house design. Experiment with heating, cooling, conduction, convection and insulation. Investigate the Earth's climate, the water cycle, and that inexhaustible power plant in

the sky: the sun. Test passive solar collection methods with a solar collector. Hook up a photovoltaic solar panel to generate electricity from sunlight. Build wind turbines to extract energy from wind. Construct a greenhouse and learn about the energy conservation tricks used by plants.

- 64-page, full-colour experiment manual
- Ages 10 and up

£61.69

Order code
70-0363



Wind Power Renewable Energy Science Kit V3.0

With this renewable energy science kit you can build a realistic wind turbine that creates power out of thin air. Wind is one of the most promising sources of clean, renewable energy available today and has been used for centuries to pump water and crush grain in windmills, and is increasingly being used to generate electricity to power our modern world.

The wind turbine is supplied complete with electric generator and adjustable rotor blades, designed with complex aerodynamic curves to look and work like modern-day wind turbine blades.

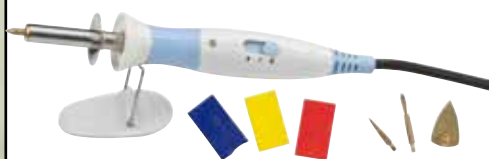
- The full-colour, 32-page illustrated manual includes instructions and a wealth of scientific information
- Suitable for age 8 and above

£41.32

Order code
70-0387

ANTEX

Wax Master Wax Art Kit



Kit with UK Plug

Wax Blocks (pack of 6)

£25.39 **£7.10**

Order Code 06-0141

Order Code 06-0147

Muslin

Rapid

100% Egyptian cotton muslin.

- Ideal for printing and dress making
- Also suitable for science projects, cookery, brewing, etc.
- Colour: white
- 96cm (38in.) wide
- Supplied in 10m lengths

5ml

£8.72

Order Code 06-9230

10ml

£18.06

Order Code 06-9231

Rapid

Hessian

This hessian can be used in a number of projects and is ideal for board backgrounds.

- Full Oil Hessian
- Weight 243gsm
- Can also be used as embroidery matting
- Width: 137cm
- Supplied in 5m lengths

£9.95

Order Code 06-9252

Unbleached Calico Rapid

100% Egyptian cotton.

- Suitable for toiles, back drops, printing and many other uses
- Available in a range of widths
- 960mm width supplied in 2m lengths
- 1.5m and 3m width supplied in 5m lengths

96cm (38") 2M

300cm (118") 5M

£4.91

Order Code 06-9232

£31.42

Order Code 06-9238

150cm (59") 5M

£18.31

Order Code 06-9234

Binca Matting 50cm (20")
Pack of 5 Assorted

Binca matting comes in a number of bright fun colours and is great for school embroidery work.

- Large holes make it ideal for beginners
- Width 50cm
- Assorted coloured pack containing 5 pieces 50cm in length

Rapid

£8.14

Order Code 06-9246

Rapid

Fabric Pastel
Cotton Fat
Quarters
45x55cm
£10.79

Order Code 06-8624

Felt Sheets - Assorted Colours

Packs of felt sheets in assorted colours, ideal for art and creative activities. The colours include: red, orange, yellow, brown, black, white, pink, purple, dark blue and dark green.

- Total of 10 sheets

A4

£10.33

Order Code 87-5996

220 x 250mm

£3.54

Order Code 87-5997

Rapid

297 x 200mm Felt Sheets
Pack of 30

Packs of felt sheets in assorted colours, ideal for art and creative activities. The colours include: red, orange, yellow, brown, black, white, pink, purple, dark blue and dark green.

- 8 colours
- Approx. size 297 x 200mm
- Supplied as a pack of approximately 30 sheets

£5.80

Order Code 06-7578

Artstraws

Animal Print Felt
Fabric Sheets Pack of 18 Rapid

These felt sheets have life-like animal patterns and fantastic texture. They are ideal for making soft animal toys and many other crafts.

- Each sheet 305 x 228mm
- 2 sheets of each design
- Supplied as a pack of 12 sheets

£7.09
Order Code
06-9380

Raffia, 10 Assorted Colours

Coloured raffia ideal for weaving, etc.

- Supplied in assorted packs of 12x 25g skeins

Rapid

£8.16

Order Code 06-8324

Multi Nylon Net

Rapid

This multi-nylon net pack provides an assortment of fluorescent and plain coloured net for art, craft and textile use.

- Pack contains: 5x fluorescent colours, 5x plain colours
- Supplied in packs of 10x 1m lengths

£15.49

Order Code 06-1162

Polyester Fibre Filling

Washable polyester fibre, ideal for a wide range of textile projects.

- Fire-safe and non-allergenic
- EN71 toy safe
- Complies with BS5665
- Supplied in packs of 450g

Rapid

£5.94

Order Code 06-0440





Flashing LED Pencil Case Project Kit

A KS3 textile and electronics project that uses smart textiles and electronic components to create a flashing LED pencil case.

£5.62

Order Code 87-6107



Dancing Toy Smart Textiles Project

This exciting smart textiles and electronics project provides a fun way of using and understanding the properties of two smart materials, muscle wire and polymorph.

£18.62

Order Code 87-6123



Conductive Thread Kits

The extremely successful Light Stitches projects use a new smart material, Conductive Thread to attach LEDs (lights) to textile projects by simply fastening a knot or sewing onto the LED. This highly conductive thread acts and behaves like conventional thread with the added bonus of being extremely conductive.

- Free downloadable teachers booklet
- Various flashing and colour changing kits available
- Includes 2 metres of conductive thread and all components to easily attach the 5mm LEDs to textiles projects
- No soldering involved. If the thread breaks tie the two ends together and it still works perfectly
- FREE downloadable booklet includes all information needed including schemes of work and lesson plans. It shows in detail how to turn metal textiles materials like zips, press studs, etc., into switches
- Originally designed as a KS3 project, these extremely popular projects are being used by various textile consultants and due to their simplicity are being used throughout education from primary to university
- Introduction to product design encouraging the mixing of different D&T elements thus encouraging creativity in later school life

Please note that the kits each contain 2 LEDs except the Rainbow kit 87-6104, which only contains 1.

Type	Order code	1+
Red	87-6103	£3.22
Yellow	87-6119	£2.82
Blue	87-6100	£3.01
Green	87-6102	£3.01
Rainbow	87-6104	£3.32

30065



iPod™ Holder Smart Textiles Project Kit

A KS3 project that uses smart textiles and LEDs to create an illuminated iPod™ pouch.

The iPod™ holder uses 1 colour changing LED for a visual display. The LED is activated when the metal press stud is closed (Press stud acts as a switch turning the LED ON/OFF).

£5.80

Order Code 87-6105



Junior Soft Switch Kit

This inexpensive kit uses a felt pad as both a switch and a battery holder and can be easily incorporated into soft toy and felt projects. When completed, pressing the felt pad turns the 2 flashing red LED lights on, and releasing it turns the lights off.

- Kit contains: Adhesive felt pad
- CR2032 coin cell battery
- Conductive thread
- 2x Red flashing LEDs

£2.16

Order Code 87-6139



Conductive Thread

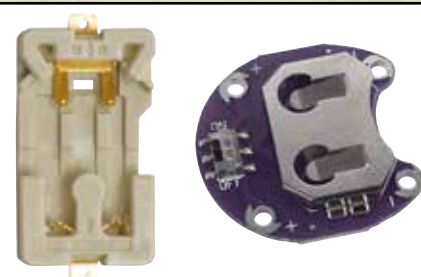


This highly conductive thread is ideal for introducing electronics into textile projects. The thread looks and behaves like conventional sewing thread with the added bonus of being highly conductive.

- Available on bobbins of 6m

£3.18

Order Code 87-6147



Easy-Sew Battery Holders

The battery holder is available with or without an On/Off switch.

- Large attachment holes for easy attachment
- Easy to connect to conductive thread
- Houses a standard 3V, CR 2032 battery
- Available with or without an On/Off switch

Type	Order code	1+
Battery holder	87-6113	£1.62
Battery holder+switch	87-6159	£2.17

519349



Conductive Thread 150/250m Spools

The thread is available in two lengths, 150m and 250m. The 250m length thread is slightly finer and is ideal for delicate work or conductive gloves. The resistance ratings for Madeira HC thread are as follows:

98-6098 – Resistance: < 100Ω/m

98-6099 – Resistance: < 300Ω/m

- Excellent conductivity
- Suitable for use as either top thread or under thread
- Maximum number of LEDs per battery: 5

Type	Order code	1+
150m Spool	87-6098	£35.57
250m Spool	87-6099	£37.61

567332



Adventa

Fridge Magnet Kit

This square fridge magnet kit from Adventa is a lesson in a box. It is ideal for class or group craft projects.

- Easy to insert blank magnets
- Accommodates insert 58 x 58mm
- A4 template sheets for printing
- Suitable for all ages
- Supplied in a **pack of 50**

£27.48

Order Code 06-8552

Home Learning Craft Kit

Kit contains:

- Chenille pipe cleaners
- Two bags of UK made sequins
- One bag of beads
- Two bags of embellishment gems
- Embroidery hoop
- Two tapestry wool skeins
- One hessian bag
- Metallic net
- Card and paper assortment
- UK made pom-poms
- Fabric motifs
- Plastic canvas
- Metallic threads
- Children's knitting needles


£10.64

Order Code 06-8333

White Paper Carrier Bags

Sturdy, thick white paper carrier bags.

- Large: 31 x 24 x 11cm
- Medium: 24 x 18 x 8cm
- Small: 20 x 15 x 8cm
- Supplied in **packs of 18, 6 of each size**

£7.93

Order Code 06-8612



Acrylic Jewels

These acrylic gem stones are ideal for fashion design, making bracelets and hair accessories, collages, mosaic designs and stained glass work.

- Pack contains an assortment of colours, shapes and sizes
- Available in **70g bags** and **bulk packs of 500g**

Type	Order code	1+
Acrylic jewels 70g bag	06-0860	£3.07
Acrylic jewels 500g	06-7564	£10.42

072187

Round Black Elastic Reel 100m

A reel of high quality black elastic.

- 1mm in diameter
- Stretches to just over twice its own length
- Ideal for threading beads, jewellery making and textiles
- Very durable
- Will withstand dry cleaning and washing
- Supplied on **reels of 100m**


£7.97

Order Code 06-0438



briandegg

Glitter Bargain Box of 10 x 250g Shakers

- No-fuss glitter, sparkle and confetti
- Excellent for adding sparkle and shimmer
- 10 x 230ml shakers

£18.28

Order Code 06-5817



Feathers

Great value packs of feathers, in either natural or exotic selection packs, ideal for crafts, decoration, collage work, etc.

- Available in **28g packs**

Type	Order code	1+
Exotic feathers 28g	06-7568	£1.85
Natural feathers 28g	06-8618	£3.19

066031

Textile Cones

- Cardboard cones
- Ideal for making models
- Especially suited to making Christmas Angels
- Just add a polystyrene ball, a doily and some cardboard wings!
- Approx. dimensions: height 170mm, outside diameter 64mm tapering to 40mm
- Hole in top is approx. 26mm
- Supplied in **packs of 30**


£5.80

Order Code 06-0911

Artstraws Ltd.

Pony Beads/ Barrel Beads

These Pony or Barrel Beads from Artstraws are ideal for collage work, decoration and jewellery making.

- Bright assorted colours
- Size: approx. 8mm diameter
- Supplied in **125g packs containing approx. 500 beads**


£2.00

Order Code 06-4143



Translucent Mosaic Tiles

These colourful assorted flat plastic shapes look great when light shines through them. Use them in your mosaic and 'stained glass' designs for sparkling results.

- Ideal for mosaics, lampshades, window and mirror decoration
- Supplied in **500g packs**

£10.14

Order Code 06-9381

MAJOR BRUSHES

Paper Mache Collage Boxes

These trinket sized collage boxes are ideal for painting and decorating with your own designs.

- Perfect for gifts or jewellery boxes
- 2x heart
- 2x hexagon
- 2x oval
- 2x circular
- 2x square
- 2x rectangle
- Dimensions of rectangular box approx. 60 x 85mm
- All shapes are 35mm deep
- Supplied in **assorted packs of 12**

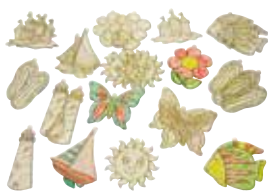

£8.54

Order Code 06-1152



Stained Glass Decorations (Window)

- Create your own 'stained glass' effect window decorations
- Simply colour in with glass paint
- Set contains three each of the designs pictured
- Each shape is approximately 10cm across
- Hole in the top for hanging on a string
- Supplied in a **set of 24 clear plastic shapes**



£9.72

Order Code 06-9332

Artstraws Ltd.

Coloured Pipe Cleaners



Pack of assorted colours, standard-sized pipe cleaners.

- Length: 150mm
- Supplied in **packs of 100**

£1.25

Order Code 06-0194



Polystyrene Head

This expanded polystyrene head is 22.5cm tall and is ideal for modelling and display use.

- Ideal for 3D modelling and millinery work
- Also useful as a drawing aid
- Use as a mould for plaster cast masks
- Can be painted



£9.10

Order Code 06-4033



Polystyrene Cubes

A set of 100 differently sized polystyrene cubes that may be carved, glued and painted, making them ideal for craft and model making.



- Assortment of edge lengths from 1 to 4cm
- Suitable for All Ages
- Supplied as a **set of 100**

£5.48

Order Code 06-9102

Sticky Bricks



Ideal resource for introducing 3D designs and sculptures. These biodegradable, cornstarch building blocks, coloured using food dyes, are safe, easy and fun. Just moisten and stick, with no need for glue!

- Ideal for all ages
- Supplied in **packs of approx 1000**

£10.16

Order Code 06-0395



Polystyrene ConePuppets



£6.00

Order Code 06-0697

- Height 5, 7 and 9cm, ideal sizes for children, mums and dads
- Supplied in a **pack of 30 containing 10 of each size**



Wonderfoam Assorted Shapes

- Pack contains assorted shapes, sizes and colours
- Ideal for art and craft activities, collages, mosaic and project work
- Supplied in **re-sealable packs of 720**

£6.10

Order Code 06-4216

Self-adhesive Wiggle Eyes

Coloured and Black and White plastic moving eyes with flat backs.

- Add fun and character to your animal, people and monster designs
- Self adhesive
- Assorted sizes
- Supplied in **packs of 100**



Type	Order code	1+
B&W Wiggle Eyes	06-8296	£1.26
Coloured Wiggle Eyes	06-7562	£2.17

119640

Coloured Matchsticks



These coloured matchsticks are an excellent addition to resources required for Design & Technology, basic construction and collage work.

- Available in **packs of 2,000**

£2.00

Order Code 06-1192

Jumbo Natural Lolly Sticks

These lolly sticks are an ideal resource for the creative child.

- Made from plain wood
- Dimensions 150(L) x 19(W) x 2mm thickness
- Provides children with hours of constructive fun
- Suitable for Foundation and Key Stages 1 & 2 (ages 4 to 11)
- Supplied in **packs of 100**
- **CE approved**



£1.75

Order Code 06-4220



Wooden Manikin

A fully articulated wooden male figure.

- Height 304mm

£4.61

Order Code 06-6210



Natural Dolly Pegs

Traditional style wooden dolly clothes pegs with flat ends.

- Ideal for making small dolls and figures
- Natural wood colour
- Length 95mm
- Supplied in **packs of 30**

£2.88

Order Code 06-8302





Air-Drying Modelling Clay

- Colour: off-white/light grey - exact colour of clay supplied may vary
- Dries in air
- Supplied in economical packs of 12.5kg

£14.40

Order Code 06-0142



Air Hardening Air Drying Clay - Terracotta & Stone

Colour	Pack size	Order code	1+
Terracotta	2.5kg	06-5439	£5.10
Terracotta	12.5kg	06-0687	£13.14
Stone	1kg	06-2285	£2.10
Stone	2.5kg	06-5433	£5.34
Stone	12.5kg	06-0641	£13.14

501833

Air Drying Modelling Clay

A fine and even self-hardening modelling clay from DAS.

This air dry clay is one of the many respected products from the range of DAS craft materials. It dries hard to a durable matt finish that can be painted and varnished, and has a multitude of uses both for arts and crafts and around the home.

May contain silica.

Size	Colour	Order code	1+
500g	White	06-5432	£2.34
500g	Terracotta	06-5434	£2.34
1kg	White	06-5436	£4.74
1kg	Terracotta	06-5438	£4.74

078257

Colour Clay Modelling and Animating Clay



Type	Order code	1+
Assorted (3kg)	06-8558	£10.14
White (500g)	06-8591	£1.50
Red (500g)	06-8593	£1.50
Yellow (500g)	06-8595	£1.50
Green (500g)	06-8597	£1.50
Blue (500g)	06-8599	£1.50
Black (500g)	06-8601	£1.50
Orange (500g)	06-8603	£1.50
Dark Brown (500g)	06-8605	£1.50
Grey (500g)	06-8609	£1.50

122117



Colour Clay (Plasticine) 10kg - 18 colours

This 10kg pack of colour clay (plasticine) from Scola is an excellent modelling material which provides hours of fun for both kids and professional animators alike.



- Can be used repeatedly - environmentally friendly!
- Ideal for kids, hobbyists or animators
- 18 colours

£25.08

Order Code 06-0895



Rainbow Colour Clay



Scola Colour Clay is a highly economical modelling material as it never dries out; so it can be used again and again. Despite always being malleable, models will always retain their shape. Perfect for kids play and professional animators alike.

- Rainbow colours
- Never dries out
- Use again and again
- Supplied in a **500g pack**

£1.62

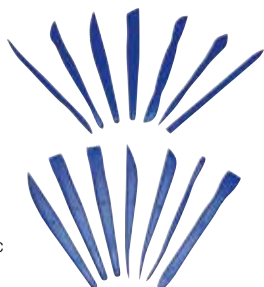
Order Code 06-0896



Plastic Modelling Tools

These different plastic modelling tools are ideal for sculpting and contouring.

- Supplied as **set of 14 pieces**



£1.79

Order Code 06-0044



Boxwood Clay Tools

- **Set of 10** double-ended durable boxwood clay tools
- Ideal for cutting and forming clay and plasticine
- Approximate length 16cm



£6.11

Order Code 06-9317

Set of Four Rolling Pins

Wooden rolling pins ideal for use with modelling clay, etc.

- Smooth or textured surfaces
- Square contours, diamond contours and concave grooves
- Length 210mm
- Diameter 30mm
- Supplied as a **set of 4**



£5.64

Order Code 06-1366



Plaster of Paris

The world's best known modelling material.

- Highly versatile and economical in use
- Free from lime



Type	Order code	1+
1kg bag	06-3219	£2.09
3kg bag	06-3128	£4.60
10kg bucket	06-9068	£14.28

062235



Artstraws Ltd. Modroc Modelling Plaster Sheets

£25.37

Order Code 06-0134



Pop Roc Modelling Plaster Strips



Type	Order code	1+
15cm x 2.75m (4)	06-0719	£4.13
15cm x 2.75m (30)	06-0721	£25.57
8cm x 3m (20)	06-5447	£11.44

544857

Artstraws Ltd. Water Mixing Art Mache

Artstraws Art Mache is instant paper mache - just mix with water to produce a highly versatile modelling medium.



- Supplied in **1kg packs**

£7.16

Order Code 06-4177



System 3 Acrylic Paint Assortment Set

Set contains a 59ml tube of each of the following colours:

- Cadmium Yellow Hue
- Cadmium Red Hue
- Ultramarine
- Sap Green
- Yellow Ochre
- Burnt Umber
- Mars Black
- Titanium White
- Supplied as a set of 8x 59ml tubes

£16.75

Order Code 06-1411

Over 35 colours

System 3 Acrylic Paints

Daler-Rowney's System 3 Acrylic Colour Paint is a durable, water-resistant, acrylic-based paint with excellent adhesion.

- Ideal for art, craft and design projects in colleges and schools
- Useful for both amateurs and professionals using colour in large quantities

£7.74

500ml bottles

£27.54

2.5L bottles

System 3 Acrylic Paint Jumbo Selection Set

A Jumbo Selection Set of 8 System 3 acrylic paints is ideal for use with art and crafts projects in the classroom or studio as well as for use by artists on larger works. The Jumbo Selection Set includes eight 150ml tubes of this durable, water-resistant, acrylic-based paint.

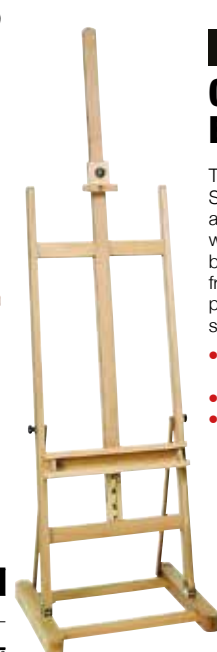
- Colours supplied: Titanium White, Cadmium Yellow Hue, Cadmium Red Hue, Ultramarine, Sap Green, Yellow Ochre, Mars Black and Burnt Umber

£26.34

Order Code 06-1405

- Height 44cms (17in)
- Max canvas size 30cms (12in)

- Height 75cms (29in)
- Max canvas size 55cms (22in)



DALER ROWNEY

Oxford Studio Easel

The Daler Rowney Oxford Studio easel is a strong, adjustable ratchet easel which may be tilted backwards or forwards from vertical. It is designed particularly for use in the studio.

- Maximum canvas height 1450mm (57in)
- Weight 12kg (26.5lb)
- Manufacturer's part 803660739

£103.18

Order Code 06-9524

DALER ROWNEY

Simply Canvas, Packs of 3

With a 15mm thick edge for a 3D effect, these Simply Canvas packs from Daler-Rowney are ideal for use with both oil and acrylic paints in the classroom or in the studio. The canvas, stretched on a wooden frame, is highly versatile and suitable for mixed media, collage, impasto, heavy textures, etc.

- Ideal for Oil and Acrylic
- Back stapled - clean edge for painting on sides
- Double primed
- Medium grain texture
- 100% acid-free cotton for durability
- Supplied in packs of 3



Size	Order code	1+
30 x 40cm	06-9531	£9.44
40 x 50cm	06-9533	£13.80
40 x 40cm	06-9535	£8.52
40 x 60cm	06-9536	£14.86
50 x 70cm	06-9537	£19.31

525130

Acrylic Paint and Synthetic Sable Brushes Pack



A super Painting Pack including 10 assorted colours of Scola acrylic paint and 50 synthetic sable artist's brushes in 6 different sizes from Major Brushes.

- Suitable for use on paper, card, canvas, ceramic and wood
- All colours are intermixable
- Can be used straight from the bottle or diluted with water
- 10x 500ml bottles
- Major Brushes Synthetic Sable Brushes perform just like genuine sable and represent good value for money. Best quality, terrific point and spring
- Excellent for thin detail lines, lettering and detailing
- Nickel plated seamless ferrules
- Ideal for painting with water, oils or acrylic paint
- Pack contains 6 sizes; 10 each of sizes 0, 2, 4 and 6, plus 5 each of sizes 8 and 10
- Each brush supplied with plastic cap to protect the bristles
- Packs of 50



£50.34

Order Code 06-0083



Primed and Stretched Canvas

These primed stretched canvases are ideal for use with traditional or water-soluble oil paints, acrylics and alkyds.

- Medium texture
- Stapled on the back
- Mounted on sturdy wood frame
- 15 x 15cm, 25 x 30cm and 40 x 60cm sizes are supplied complete with wedges to further stretch the frame if necessary
- 40 x 60cm size features a centre brace across the frame to increase rigidity

Size	Order code	1+
15 x 15cm	06-9258	£1.33
25 x 30cm	06-1850	£2.10
40 x 60cm	06-1852	£4.22

073900





300mm (12in.) Shatter-Resistant Plastic Ruler

Standard, transparent shatter-resistant 30cm (12 in) rulers.

MOQ 2		
Type	Order code	2+
300mm Ruler	34-2660	£0.971

10cm Angle Measure

A unique rotating device to provide extra help when measuring angles.

Type	Order code	1+
10cm Angle measure	52-9582	£3.00

180° Protractors

- Graduated 0 to 180°
- Width 100mm
- Available singly or in packs of 50

MOQ 4		
Type	Order code	4+
180° Protractor	34-2666	£0.328
		Price each
Type	Order code	1+
Protractor pack of 50	34-2665	£16.62

Oxford 15cm Geometry Set

A 4-piece geometry set with technical square print.

- 15cm Rule
- 45° Set square
- 60° Set square
- 180° Protractor

Type	Order code	1+
15cm Geometry set	52-9806	£1.75

Oracle Maths Set

The Oracle Maths Set from Helix is housed in a stylish oval case and offers good value for money.

- Self-centring compass
- 30cm/300mm folding rule
- Eraser
- Double metal sharpener
- 45° and 60° set squares
- 360° protractor/angle measure
- 17.5cm and 9cm pencils

Type	Order code	1+
Oracle maths set	52-9570	£7.02

Value Maths Set

A good, basic maths set offering excellent value for money.

- 150mm rule
- 45° and 60° set squares
- 180° protractor
- Plastic self-centring compass
- 90mm pencil
- Plastic sharpener
- Eraser
- Handy carry case

Type	Order code	1+
Value maths set	52-4000	£1.78

Metal Compass

A traditional style die-cast metal compass.

- Shortened safety point
- Self-centring handle mechanism
- Cam-lock pencil retaining ring
- Overall length: 107mm

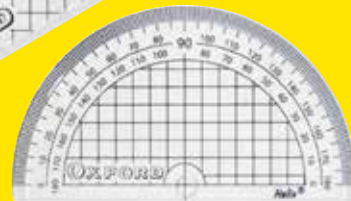
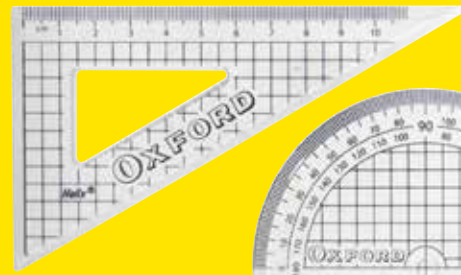
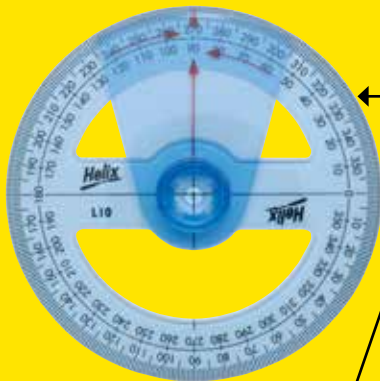
Type	Order code	1+
Metal compass	34-2040	£1.36

Nylon Pencil Cases

Nylon pencil cases with colour co-ordinated zips.

- Available in 200 x 100mm and 330 x 125mm sizes
- Individual case colour may be black, blue or purple.

Type	Order code	1+
200 x 100mm	34-5930	£1.27



AURORA

Basic Pocket Calculator

A robust calculator with durable hard keys and large numeric keypad.



Order code
25-0632

£3.91



25-0746

25-0747

25-0748

CASIO

Scientific Calculators

Price each

£12.96

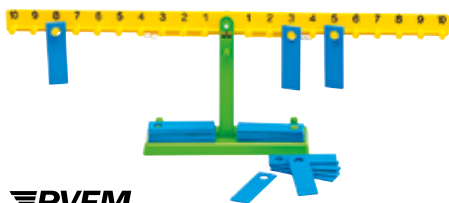


Learning Resources

Pizza Fraction Fun game

Order code
52-3030

£15.96



RVFM

Number Balance

This versatile tool helps children to find out about addition by 'balancing' numbers. The scale balances when the sum of the weights on one arm equates to the sum of the weights on the other.

Order code
52-0857

£13.97



INVICTA

Stackable Weights

- Supplied with 20 each of 1g, 2g, 5g and 10g

Order code
52-1592

£10.39



Number Juggler

The juggler gives a fun but accurate indication of correct or incorrect answers to addition and subtraction.

Order code
52-9616

£1.72



Learning Resources

Primary Bucket Balance

This child-friendly balance has transparent buckets to allow students to easily see contents are easily removable for emptying. The bucket lids can also be used to create a platform balance.

- Measures 420 x 165 x 150mm

Order code
06-5882

£12.13

INVICTA

Mini Maths Shapes

A comprehensive range of 3-dimensional geometric shapes.

- Each shape comes in 4 colours and 4 sizes
- Shapes include cubes, prisms, cylinders and cones

Order code
52-0738

£4.96

INVICTA

Grouping Circles

These flexible folding plastic circles can be used in a wide range of grouping and set activities. The set consists of six circles, two each of red, yellow and blue.

- Size ø50cm

Order code
52-1588

£7.21

Learning Resources

Plastic Pattern Blocks Set

Sets of blocks that help to explore patterns, symmetry, linear and area measurement, fractions and problem solving.

- Six shapes and six colours



Order code
52-3008

£15.00

Learning Resources

Plastic Pattern Blocks Set

Sets of blocks that help to explore patterns, symmetry, linear and area measurement, fractions and problem solving.

- Six shapes and six colours



Order code
52-0682

£5.48

Propeller

Take learning further



Single packs
coming soon



1



2



3



4



5

- ① Tricky Tree Facial Game for Children

Order Code 52-2505

£98.17

- ② 45-piece Brick Me Construction Set

Order Code 52-2432

£127.96

- ③ Construction Tower

Order Code 52-2439

£147.67

- ④ Maze Seasaws

Order Code 52-2502

£33.76

- ⑤ Rung Way

Order Code 52-2489

£160.30

For full details visit www.rapidonline.com/weplay



Push Trike

Order Code 52-2447

£127.98

Tuk Tuk Trike

Order Code 52-2451

£277.00

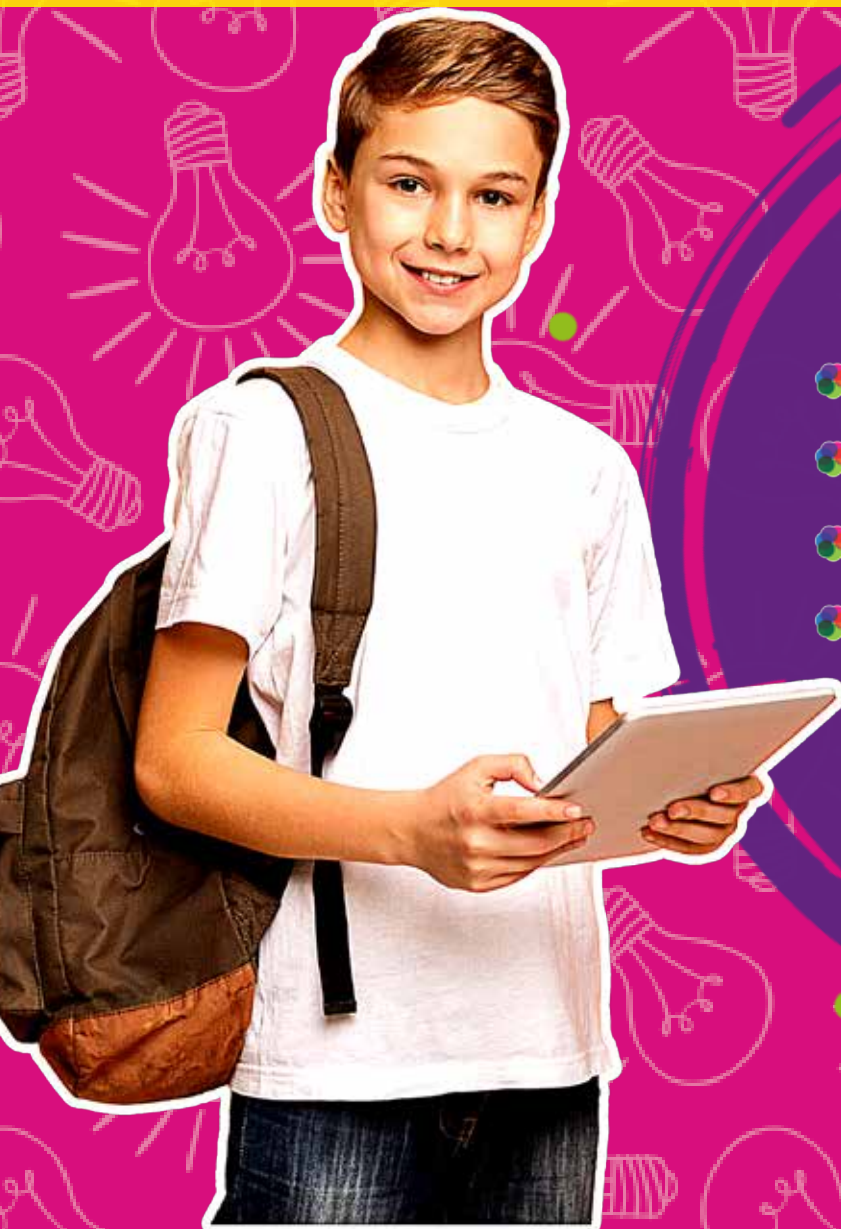
Walking Bike

Order Code 52-2456





£146.81

ARE YOU STRUGGLING TO RUN A **STEAM CLUB?**

STEAM SCHOOL SAVES TEACHERS TONS OF TIME BY PROVIDING A CREATIVE VIRTUAL CURRICULUM FOR FUTURE INVENTORS & DIGITAL ENTREPRENEURS AGED 9-14 YEARS OLD.



VIRTUAL ACADEMY

-  WEEKLY LIVE BROADCASTS
-  STEAM CHALLENGES
-  DIGITAL REWARDS
-  TEACHER PROGRESS & ACHIEVEMENT DASHBOARD



STEAM SCHOOL PROVIDES YOUNG PEOPLE WITH A UNIQUE BEHIND THE SCENES LOOK AT SOME OF THE MOST EXCITING SCIENCE AND TECH COMPANIES ACROSS THE GLOBE.

SAVE 10% OFF AN ANNUAL SUBSCRIPTION:
www.rapidonline.com/steam-school

ADVENTURES WITH MARIO STARTER COURSE



£49.98

Order code
70-6635



DISNEY BELLE'S CASTLE WINTER CELEBRATION

£44.94

Order code
70-6598



ARCHITECTURE 21034 LONDON



£50.28

Order code
70-6649



INDOMINUS REX VS. ANKYLOSAURUS



£85.74

Order code
70-6548



THE CRAFTING BOX 3.0



£74.94

Order code
70-6554



YODA™



£84.90

Order code
70-6666

