

SAVING TEACHERS TIME

SCIENCE CATALOGUE



abacused.com.au

49 Guthrie Street, Osborne Park WA 6017 P:08 9445 7133

SUPER SCIENCE TROLLEY

SUPER SCIENCE TROLLEY

2V002

15 Kits



All your essential classroom science needs are now packaged in the ABACUS SCIENCE TROLLEY. The convenience of being able to move the trolley around your school maximises its potential.

The Super Science Trolley comprises:

- Class Sets of stopwatches, safety glasses, mirrors and bar magnets
- Electronic components, thermometers, test tubes, measuring tapes and containers
- A wide range of model making requirements is also included

Measures: W 1020mm x D 435mm x H 1030mm (with handles)

15 KITS
INCLUDED
WITH THE
TROLLEY

**For more details on the Super Science Trolley or
to purchase individual kits please visit abacused.com.au**

PLASTIC CASED BAR MAGNETS KIT 2P040



- 30x plastic cased bar magnets L 80 x W 22 x H 10mm
- 2x demonstration bar magnets L 130 x W 40 x H 10mm

DELUXE MAGNET KIT 2A102



- 1x Horseshoe magnet
- 6x Magnetic wands
- 100x Magnetic counters
- 4x Plastic ring magnet
- 20x Magnetic marbles
- 2x Iron filing bubble
- 1x Iron filings - 225g
- Magnetic compass
- Pack of 6 magnetic pins

MEASURING TAPES KIT 2P088



- 1x 30m Tape measure
- 2x 10m Tape measure
- 10x 1.5mm Tape measure
- 5x 5m Tape measure

THERMOMETERS KIT 2P085



- 5x Multi-purpose classroom thermometer
- 1x Digital dual temperature thermometer
- 10x Boiling point thermometer
- 1x Laboratory immersion thermometer

ADHESIVES KIT 2P096



- 4x Masking tape
- 4x Glue stick 35g
- 2x Glue gun (low melt)
- 2x Glue gun sticks (50)
- 2x Sticky tac - Packet
- 3x Adhesive tape - 18mm

LIGHT RESOURCES KIT 2P095



- 1x Colour paddles
- 1x UV Beads & Torch set
- 6x Candles
- 6x Student torch
- 1x Tea candles - Packet

MULTI-PURPOSE STOPWATCH KIT

1J150-30

- 30x digital stopwatches
- 1x foam insert to protect your stopwatches



RIGID ACRYLIC MIRRORS KIT

2P046-30

- 30x acrylic mirrors - L 150 x W 100mm
- 1x foam insert to protect your mirrors



MAGNIFIERS KIT

2P102

- 5x Bug viewer
- 1x Two way bug viewer
- 30x Fine detail magnifiers class set
- 5x Magnifier - 75mm



MODEL MAKING KIT

2P101

- 2x Balloons - Packet
- 2x Corks - Packet
- 1x Marbles - Jar of 200
- 2x String - Ball
- 1x Wire - Florist
- 1x Cotton Reels - Bag of 120



ALL THE KITS COME IN A DEEP GRATNELLS TRAY WITH LID

WOODEN CRAFT STICKS KIT

3D014

- 2x Wooden pegs - Packet
- 1x Matchsticks - plain (1000)
- 1x Skewers (100)
- 1x Dowel (100)
- 3x Popsticks - Plain wood (500)
- 2x Popsticks - Coloured wood (500)



SAFETY GLASSES KIT

3A038-30

- 30x Student safety glasses
- Protect eyes from splashes and spills
- Adjustable arm for a custom fit 90mm - 125mm



ELECTRONICS COMPONENTS KIT

2B254

Everything you need to teach simple electronics and circuits to your class or a handy top up set for the science storeroom.

- 30x Alligator clips and leads
- 16x Circuit wire pack
- 15x Electric motors with pulleys
- 20x Motor mounts
- 15x Dual AA battery holders
- 15x Slide switches
- 10x Fahnstock switches
- 20x 1.5v globes
- 20x 2.5v flashing globes
- 20x Metal base bulb holders
- 20x Plastic base bulb holders
- 15x Electric buzzers
- 40x AA batteries
- 1x Wire stripper
- 1x Multi-meter



Gratnells
DEEP Tray

MINI VOLUME KIT

1H202

- 5x Stackable beakers
- 5x Funnels
- 1x Measuring cups (set of four)
- 1x Measuring spoons (set of four)
- 1x Litre jug
- 3x Measuring jug (375mL)
- 3x Large pipette
- 3x Coloured measuring jugs



ALL THE
KITS COME
IN A DEEP
GRATNELLS
TRAY WITH
LID

TEST TUBES KIT

1H163

- 5x Test tube brush
- 2x Test tube rack
- 24x Test tubes (150 x 24mm)
- 5x Test tube metal holder
- 6x Jumbo test tube with stand

Gratnells
DEEP Tray



SCIENCE ROOM ESSENTIALS

For bulk quantities visit www.abacused.com.au

| | | |
|---|--|--|
| <p>ALLIGATOR CLIPS (10) 2B150</p>  | <p>ALLIGATOR CLIPS WITH LEADS (10) 2B151</p>  | <p>BAGS - PLASTIC RESEALABLE (100) 2P004</p>  |
| <p>PRIMARY BUCKET BALANCE 1K005</p>  | <p>BALLOONS - ROUND (45) 2P005</p>  | <p>BALLS - TABLE TENNIS (6) 2P098</p>  |
| <p>BALLS - TENNIS (4) 2P099</p>  | <p>BAROMETER 2H001</p>  | <p>BATTERY 2B001-4 AA (4) 2B001-12 AA (12)</p>  |
| <p>BATTERY 2B002 C (2) 2P006 D (2)</p>  | <p>BATTERY HOLDER 2B010-5 AA (5)</p>  | <p>BATTERY 2B006-4 AAA (4) 2B006-12 AAA (12)</p>  |
| <p>BLACKLIGHT UV TORCH 2C155</p>  | <p>BEADS - UV 2C152</p>  | <p>BATTERY HOLDER 2B011-5 C (5) 2B012-5 D (5)</p>  |
| <p>BULB HOLDERS - METAL BASE (10) 2B060-10</p>  | <p>BULB HOLDERS - PLASTIC BASE 2B061-10</p>  | <p>BULB HOLDERS - FAHNSTOCK BASE 2B063</p>  |
| <p>BULBS - 2P035 1.5V (10) 2B050 2.5V (10)</p>  | <p>BULBS - 2.5V FLASHING (10) 2B052</p>  | <p>BULBS - LED 10mm (4) 2B053</p>  |
| <p>BUZZER (3V-15V) 2B154</p>  | <p>CANDLES - TEALIGHT (30) 2P121</p>  | <p>CARDS A4 300gsm (10) 2P134</p>  |

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| <p>CELLOPHANE 2P129</p>  | <p>CHALK 2P111</p>  | <p>COAT HANGER WIRE (10) 2P011</p>  |
| <p>COLOUR MIXING GLASSES 2E007</p>  | <p>COLOUR PADDLES 2C151 Set of 18</p>  | <p>COMPASS - MAGNETIC 35mm 2P012-30 Box of 30</p>  |
| <p>COMPOST CONTAINER 2H100</p>  | <p>CORKS - PKT (10) 2P013</p>  | <p>COTTON BALLS - PKT (120) 2P016</p>  |
| <p>COTTON REELS - BAG OF 120 3B150</p>  | <p>CUPS - PAPER 2P020</p>  | <p>CUTTING MAT - A3 3A012</p>  |
| <p>DIGITAL MULTIMETER 2B350</p> <p>Dimensions (mm) 125 x 68</p>  | <p>ELASTIC - DRESSMAKER'S 2P200</p>  | <p>ELECTRIC CIRCUIT KIT 2B251</p>  |
| <p>ELECTRONICS LAB KIT 30-IN-1 2B241</p>  | <p>EYE DROPPERS 2P027</p>  | <p>EYE DROPPERS JUMBO 2L011</p>  |
| <p>FEATHERS - PKT 2P204</p>  | <p>FILM CANISTER WITH LID 2P022</p>  | <p>FISHING LINE - 200m 2P028</p>  |
| <p>FOIL - ALUMINIUM 2P030</p>  | <p>FOOD COLOURING - 50ml BOTTLE 2P031</p>  | <p>FORCE METERS SPRING SCALES 1K121 Box of 6</p>  |

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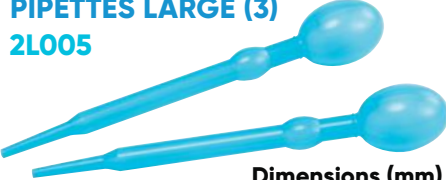




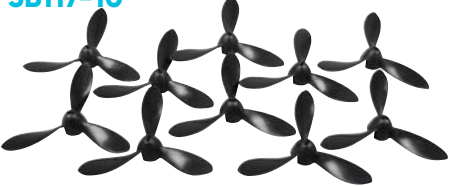







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| <p>FUNNEL 75mm (5) 1H156-5</p>  | <p>GLUE GUN LOW MELT 3A019</p>  | <p>GLUE GUN STICKS (225) 3A051</p>  |
| <p>GLUE STICK - 35g 2P122</p>  | <p>GRADUATED CYLINDERS 1H019 Set of 7</p>  | <p>HANDHELD MIC TRANSMITTER - WIRELESS 2C203</p>  |
| <p>HANDHELD PRESENTER - WIRELESS 2.4GHz 2C200</p>  | <p>HYDROPONICS LAB 2H010</p>  | <p>IRON FILINGS (FINE) 2P037</p>  |
| <p>IRON FILINGS BUBBLE 2A250 2A250-5</p>  | <p>MAGNET CHUNKY HORSESHOE 2A006</p> <p>Dimensions (mm) 120 x 30</p>  | <p>MAGNET GIANT HORSESHOE 2A024</p> <p>Dimensions (mm) 210</p>  |
| <p>MAGNET HORSESHOE 2A023 Set of 3</p>  | <p>MAGNET - SUPER MAGNETS (PAIR) 2A022</p>  | <p>MAGNET - PLASTIC CASED BAR (PAIR) 2P039</p> <p>Dimensions l x w x h (mm) 80 x 22 x 10</p>  |
| <p>MAGNET - WANDS (6) 2A010</p>  | <p>MAGNETIC COLOURED MARBLES (100) 2A030</p>  | <p>MAGNETIC COUNTERS (100) 2A012</p>  |
| <p>MAGNIFIER 2P093 75mm Diameter</p>  | <p>MAGNIFIER - FINE DETAIL (30) 2P047-30</p> <p>Dimensions (mm) 75 x 50</p>  | <p>MAGNIFIER - TWO WAY BUG VIEWER 2E052</p> <p>Dimensions (mm) 190 x 130</p>  |

For bulk quantities visit www.abacused.com.au

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| <p>MAGNIFIER - BUG VIEWER 2E006</p>  | <p>MARBLES (200) 2P042-J</p>  | <p>MATCHSTICKS - PLAIN (1000) 2P044</p>  |
| <p>MEASURING CUPS 1H050 Set of 4</p>  | <p>MEASURING JUG - 1L 1H061</p>  | <p>MEASURING SPOONS 1H060 Set of 4 Assorted</p>  |
| <p>MEASURING TAPE - 1.5mm 2P082-10 2P082-30</p>  | <p>MEASURING TAPE - 5m 3A029 3A029-5 3A029-10</p>  | <p>MEASURING TAPE - 10m 1G004</p>  |
| <p>METAL STRIPS - 50mm 2A015 Set of 12</p>  | <p>MIRROR - FLEXIBLE PLASTIC A4 (5) 2D004-5</p>  | <p>MIRROR - FLEXIBLE 2D003-S 2D003-B</p> <p>Dimensions w x h (mm) 90 x 60</p>  |
| <p>MIRROR - FLEXIBLE 2P150</p> <p>Dimensions w x h (mm) 150 x 100</p>  | <p>MIRROR - RIGID ACRYLIC 2P046-8</p> <p>Dimensions w x h (mm) 150 x 100</p>  | <p>MIRROR - CONCAVE/ CONVEX (10) 2D006</p> <p>Dimensions (mm) 100</p>  |
| <p>MODEL CLAY 500g 2P048</p>  | <p>MOTOR MINIATURE VIBRATION 2B102</p>  | <p>MOTOR - MEDIUM ELECTRIC 2B100-10</p>  |
| <p>MOTOR - UNIVERSAL MOUNT CLIP (10) 2B104-10</p>  | <p>PAPER CLIPS (100) - 2P052 33mm 2P053 50mm</p>  | <p>PAPER TOWEL 2P054</p>  |

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| <p>PA SYSTEM - PORTABLE 150W 2C202</p>  | <p>PEGS WOODEN - PKT 2P010</p>  | <p>PERCUSSION SET 2P138 10 pieces</p>  |
| <p>PETRI DISH 90mm (10) 2L004-10</p>  | <p>PIPE CLEANERS (100) 2P056</p>  | <p>PIPETTES (50) 2L001-50</p>  |
| <p>PIPETTES LARGE (3) 2L005</p>  <p>Dimensions (mm) 35 x 225</p> | <p>PLASTIC SHEETS - A4 CORRUGATED (5) 2P148</p>  | <p>PLASTIC WRAP - ROLL 2P058</p>  |
| <p>PLATE - PAPER, LARGE (20) 3B113</p>  | <p>PLAY DOUGH - 900g 2P049-6</p>  | <p>POPSTICKS PLAIN WOOD (1000) 3D007</p>  |
| <p>PRISMS 2C056 Set of 7</p>  | <p>PROPELLERS - 125mm 3B117-10</p>  | <p>PULLEYS 2F031 5 Single 5 Double 5 Triple</p>  |
| <p>REDBACK MEGAPHONE 2C201</p>  | <p>RUBBER BANDS - SIZE 34 (25g) 2P118</p>  | <p>SAFETY GLASSES 3A038</p>  |
| <p>SCALES - METRIC (5kg) 1K122</p>  | <p>SCALES - ELECTRONIC (3kg) 1K108</p>  | <p>SCALES - BATHROOM ANALOGUE 1K101</p>  |

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| <p>SCALES - BATHROOM DIGITAL 1K114</p>  | <p>SEEDS RAISING POTS (26) 2H102</p>  | <p>SKEWERS (100) 2P070</p>  |
| <p>SLINKY SPRING 2F013</p>  | <p>SOLAR CELL MODULE 1.5V 2B204</p>  | <p>SPONGE - KITCHEN (5) 2P073</p>  |
| <p>SPOONS - WOODEN (24) 2P225</p>  | <p>SPRAY BOTTLE 2P077</p>  | <p>STACKABLE PLASTIC BEAKERS 1H011 Set of 5</p>  |
| <p>STETHOSCOPE 2K003</p>  | <p>STICKY TAC - PKT 3C020</p>  | <p>STOPWATCH 1J150</p>  |
| <p>STOPWATCH - SIMPLE 85mm 1J151</p>  | <p>STORAGE - BOX 1 COMPARTMENT SMALL 5A050-12</p> <p>Dimensions (mm) 188 x 118 x 31</p>  | <p>STORAGE - BOX 1 COMPARTMENT MEDIUM 5A051-14</p> <p>Dimensions (mm) 195 x 136 x 66</p>  |
| <p>STORAGE - BOX 1 COMPARTMENT A4 5A106-3</p> <p>Dimensions (mm) 315 x 230 x 70</p>  | <p>STRAWS - PAPER (250) 2P220</p>  | <p>STRING - BALL 2P081</p>  |
| <p>SWITCH - FAHNSTOCK 2B160</p>  | <p>SWITCH-KNIFE 2B157</p>  | <p>SWITCH - LATCHING PUSH 2B159</p>  |

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| <p>SWITCH - SLIDE (10) 2B158-10</p>  | <p>SYRINGES 2L002-10 10mL (10)</p> <p>2L003-10 20mL (10)</p>  | <p>TAPE - MASKING 2P043</p>  |
| <p>TEST TUBE - 25mm (24) 1H161</p>  | <p>TEST TUBE - JUMBO 40mm (6) 2L012</p>  | <p>TEST TUBE - BRUSH 150mm 1H152</p>  |
| <p>TEST TUBE HOLDER - WIRE 1H162</p>  | <p>TEST TUBE RACK 1H154</p>  | <p>THERMOMETER - BOILING POINT (10) 2J014</p>  |
| <p>THERMOMETER - CLASSROOM 2P083</p> <p>Dimensions (mm) 75 x 380</p>  | <p>THERMOMETER - DESK 2J012</p>  | <p>THERMOMETER - DIGITAL 2J011</p>  |
| <p>THERMOMETER - DIGITAL PROBE 2J001</p>  | <p>THERMOMETER - LAB IMMERSION 2P084</p>  | <p>TICKER TAPE (54 ROLLS) 1G005</p>  |
| <p>TIMER - STUDENT ELECTRONIC 1J127-5</p>  | <p>TIMER - JUMBO 1J124</p>  | <p>TIMERS - SAND LARGE 1J218 Box of 5</p>  |
| <p>TIMERS - SAND MIDI 1J130 Set of 5</p>  | <p>TORCH - STUDENT LED 2P087</p>  | <p>TRUNDLE WHEEL 1G200</p>  |

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|---|---|--|
| <p>TUBING 3B118 3mm x 1m</p> <p>3B119 6mm x 1m</p>  | <p>TUNING FORKS 2C105 Set of 8</p>  | <p>TWEEZER - METAL 130mm 2K005</p>  |
| <p>TWEEZER - EASY GRIP 152mm 2K006 Set of 12</p>  | <p>WEIGHTS - METRIC 1K213 58 pieces</p>  | <p>WEIGHTS - STACKING 1K215 Set of 80</p>  |
| <p>WIRE - CIRCUIT 2B171 Pack of 8</p>  | <p>WIRE - INSULATED 25mm 2P091-R 2P091-B</p>  | <p>WIRE - FLORIST 2P189</p>  |
| <p>WIRE - STRIPPER 2B156</p>  | <p>WOODEN DOWEL (100) 3D006-10 200mm</p>  | <p>WOOL 2P092 100gm</p>  |

For our full range of science room essentials,
please visit abacused.com.au



 [abacuseducation](https://www.instagram.com/abacuseducation)

 [abacuseducationalsuppliers](https://www.facebook.com/abacuseducationalsuppliers)

TEST TUBES KIT 1H163

- 5x Test tube brush
- 2x Test tube rack
- 24x Test tubes (150 x 24mm)
- 5x Test tube metal holder
- 6x Jumbo test tube with stand



STACKABLE BEAKERS 1H011

Made of unbreakable plastic, these stackable beakers have a capacity range of 50mL to 1000mL with clear graduations on each beaker. One each of 50, 100, 250, 500 and 1000mL.



GRADUATED CYLINDERS 1H019 Set of 7

Tough polypropylene cylinders in calibrations of 10mL, 25mL, 50mL, 100mL, 250mL, 500mL and 1L.

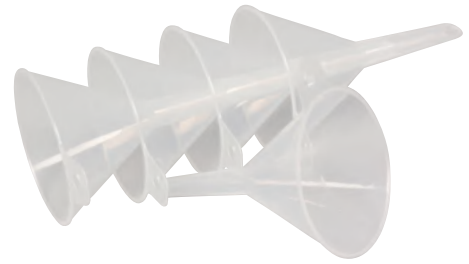


METAL TWEEZERS 2K005 Each



**BLUNT
130mm**

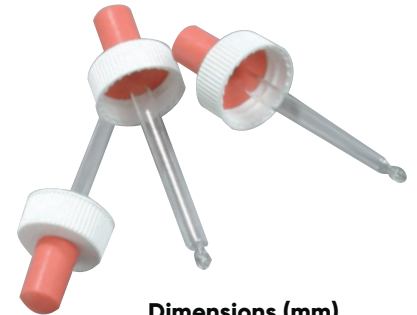
FUNNELS 1H156-5 Set of 5



PETRI DISH 2L004 Set of 20



EYE DROPPERS 2P027 Pack of 10



Dimensions (mm)
100 long

2P027-30 Class set of 30

PIPETTES 2L001-50 Packet of 50

3mL disposable plastic pipettes. 0.5mL graduations. Ideal for comparing volume of small capacity containers.



Dimensions (mm)
160 long

TEST TUBES

- 1H161 Test Tube 150mm x 25mm (24)
- 1H152 Test Tube Brush
- 1H162 Test Tube Holder – Wire Type
- 1H154 Test Tube Rack



PRIMARY SCIENCE SET 2L010 Set of 12

• Ten double-sided Activity Cards (cover science process skills, living and non-living things, physical science, senses and more)

- 1x Beaker
- 1x Magnifying glass
- 1x Funnel
- 1x Eyedropper
- 1x Flask
- 1x Tweezers
- 1x Goggles
- 1x 150mm test tube with lid and stand
- 2x Small test tubes with lids and stand
- 1x Activity Guide



PRIMARY SCIENCE JUMBO EYE DROPPERS 2L011 Set of 6

Extra-large droppers are ideal for developing fine motor skills while learning primary science.

- 6x L 115mm Jumbo droppers
- 1x 110 x 110mm Storage stand



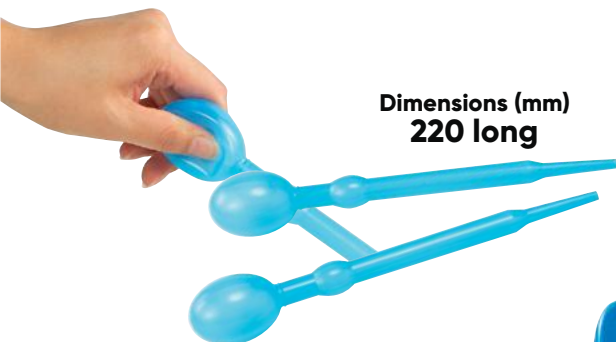
PRIMARY SCIENCE JUMBO TEST TUBES WITH STAND 2L012 Set of 6

The tubes feature calibration marks (25, 50, 75 and 100mL). The multicoloured lids are write-on-wipe off making it easy to label and are safe at temperatures from -10° to 95°C.

- 1x Sturdy Rack
- 1x Activity Guide
- 150mm high x 40mm diameter



LARGE PIPETTES 2L005 Set of 3



Dimensions (mm)
220 long



SYRINGES

- 2L002-10 10mL
- 2L003-10 20mL



EASY GRIP TWEEZERS 2K006 Set of 12

- 12x 150mm tweezers stores in resealable bucket
- 1x Activity Guide



MEDIUM ELECTRIC MOTOR

2B100-10 Pack of 10

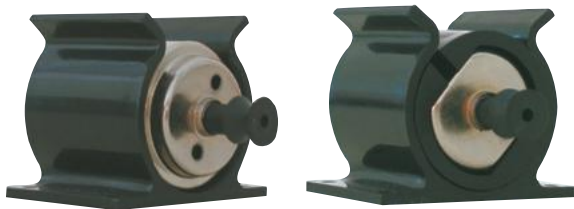


**1.5V-4.5V
3000-4900
rpm MOTOR.
INCLUDES
PULLEY.**

UNIVERSAL MOUNT CLIP

2B104-10 Pack of 10

This versatile clip can be used with a medium motor. Supplied with adhesive foam mounting pad.



****Motor not included**

BULB HOLDERS

2B060

Metal base (Pack of 10)

2B061

Plastic base (Each)

2B061-10

Plastic base (Pack of 10)

2B061-50

Plastic base (Box of 50)

2B063

Fahnstock (Each)



BULBS

2P035

1.5V (Pack of 10)

2P035-5

1.5V (Pack of 50)

2B050

2.5V (Pack of 10)

2B052

2.5V Flashing (Pack of 10)



MINIATURE VIBRATION MOTOR

2B102

A miniature vibration motor with a coreless design. Rated at 3V nominal and 14000 rpm, this motor is ideal for use in applications such as robotics.

Pre-wired with 90mm red & black leads and measuring only 12mm long x 6mm diameter.



ELECTRIC MOTOR BOX

2B105



- 10x medium torque motors
- 10x pulleys
- 10x motor mount clips
- 1x Storage Box



****Screw type fittings**

HIGH INTENSITY LIGHT EMITTING DIODES (LEDS)

2B053

Set of 4

These LEDs are 10mm in diameter and are all water clear. When powered they will light up to the specified colour.



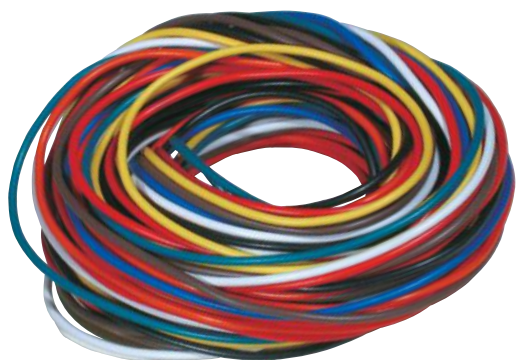
LEADS AND CLIPS

- 2B150** Alligator clips (Packet of 10)
- 2B151** Alligator clips with leads (Packet of 10)
- 2B152** Snap connectors with leads (Packet of 10)
- 2B149** Banana Leads (Pair)



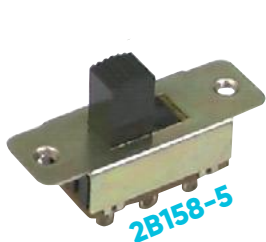
CIRCUIT WIRE

- 2P091-R** 25m circuit wire - Red
- 2P091-B** 25m circuit wire - Black
- 2B171** Circuit wire pack 8 x L 2m



SWITCHES

- 2B157** Knife switch
- 2B158-5** Slide switch (Packet of 5)
- 2B159** Latching push switch



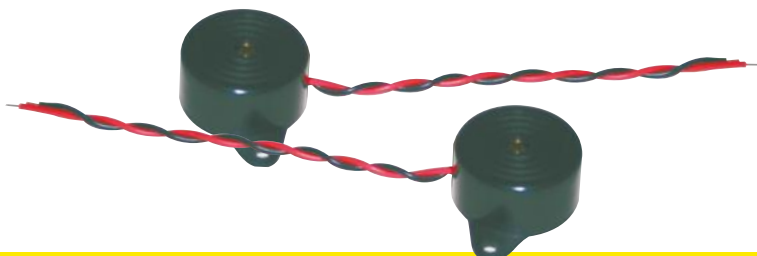
2B156
Automatic wire stripper

ELECTRIC BUZZER 3-16V

- 2B154** Each
- 2B154-10** Pack of 10

This mini piezo buzzer offers medium to loud sound output (max 90dB), low current consumption and is extremely durable.

Measures 22mm diameter and 12mm high.



FAHNSTOCK SWITCH

- 2B160** Each
- 2B160-10** Pack of 10

The Fahnstock switch has special connectors so you can connect the switch into a circuit without having to solder the wires.



UNIQUE AND EASY WAY TO COMPLETE A CIRCUIT WITHOUT SCREWS

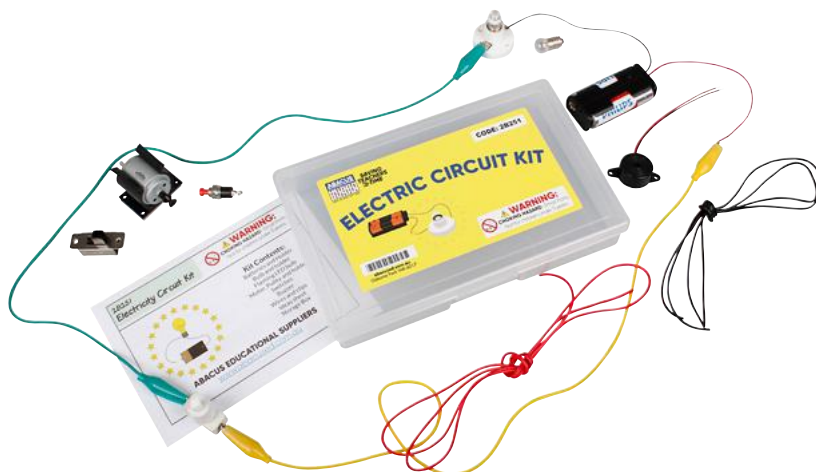


ELECTRONICS COMPONENTS KIT 2B254

- 30x Alligator clips and leads
- 16x Circuit wire pack
- 15x Electric motors with pulleys
- 20x Motor mounts
- 15x Dual AA battery holders
- 15x Slide switches
- 10x Fahnstock switches
- 20x 1.5v globes
- 20x 2.5v flashing globes
- 20x Metal base bulb holders
- 20x Plastic base bulb holders
- 15x Electric buzzers
- 40x AA batteries
- 1x Wire stripper
- 1x Multi-meter

ELECTRICITY STARTER KIT 2B250

- 1x Storage container (12 compartment)
- 2x AA battery holders
- 4x AA batteries
- 10x Alligator clips
- 4x Alligator clips plus leads
- 8x 2m lengths of coloured wire
- 1x Slide switch & 1x Push switch
- 1x Single knife switch & 1x Fahnstock switch
- 3x Electric motors and pulleys
- 3x Motor mounting clips
- 1x Buzzer
- 2x Snap connectors
- 10x 1.5V bulbs
- 3x Flashing bulbs
- 10x Bulb holders (economy)
- 3x Bulb holders (plastic base)
- Assorted split pins, paper clips and drawing pins
- Introduction to Electricity Booklet



ELECTRIC CIRCUIT KIT

2B251
2B251-12
2B260

Each
Carton of 12
Bulk Kit

- 2x Batteries
- 1x Battery holder
- 2x Bulb (differing sizes) and bulb holder
- 1x Motor, pulley, and holder
- 1x Switches
- 1x Buzzer
- 2x Wires with clips, additional wires
- 1x Ideas sheet
- 1x Storage box

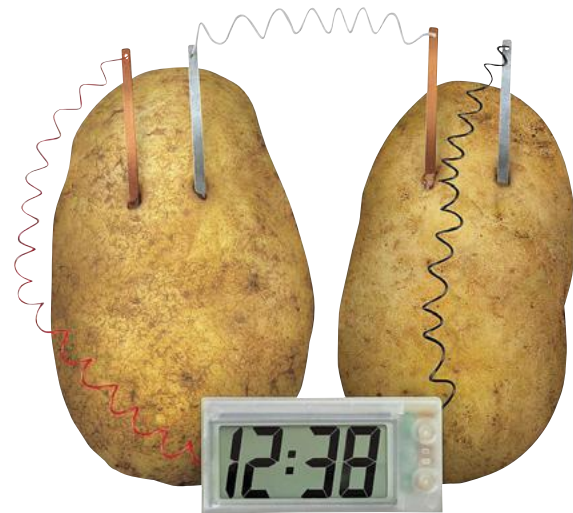


POTATO CLOCK

2B180

You can generate enough electricity to run a digital clock by plugging electrodes into common potatoes!

- Highly accurate digital clock module
- Metal electrodes, wire
- Instructions and fluid beakers
- Clock dimensions: W 65 x H 30 x D 12 mm



BATTERIES

- 2B006 **AAA Battery (Pack of 2)**
- 2B001 **AA Battery (Pack of 4)**
- 2B002 **C Battery (Pack of 2)**
- 2P006 **D Battery (Pack of 2)**
- 2B003 **9V Battery (Each)**



TEACHING TIP

THE RIGHT AMOUNT OF POWER

AAA, AA, C and D batteries are all rated at 1.5V. For use with a 2.5V bulb it is recommended to use 2 x 1.5V batteries so as not to destroy the bulbs. You can use more voltage for the bulbs to make them glow brighter but this will shorten its life expectancy.



DIGITAL MULTIMETER

2B350

Full feature meter with plug-in 4mm probes and transistor tester.

- 12.5mm high LCD display
- Transistor test
- Diode test
- 10amp current
- Plug-in leads



BATTERY HOLDERS

- 2B010-5 **Dual AA Battery holder (Pack of 5)**
- 2B011-5 **C Battery holder (Pack of 5)**
- 2B012-5 **D Battery holder (Pack of 5)**



AA holder battery with crocodile clips

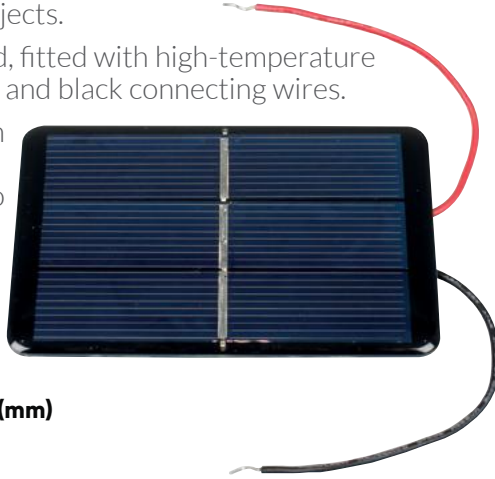
1.5V 400MA SOLAR CELL MODULE

2B204 Each
2B204-8 Set of 8

This high efficiency polycrystalline photovoltaic solar cell is suitable for a wide range of applications or projects.

Resin encapsulated, fitted with high-temperature silicon 200mm red and black connecting wires.

These modules can be connected in series or parallel to obtain the desired voltage or output current.



Dimensions l x w x h (mm)
90 x 60 x 3

6 IN 1 SOLAR EDUCATIONAL ROBOT KIT

2B211



- Construct up to six different projects
- Snaps together for easy assembly
- Solar powered so no batteries are required

6 IN 1 EDUCATIONAL SOLAR KIT

2B209

- Windmill
- Car
- Dog
- Plane
- Airboat
- Revolving Plane



DUAL POWER KIT

2B253

Demonstrate how a 1.5v solar panel can replace a battery with the correct amount of solar energy. This kit comprises enough equipment for 5 students or 5 small groups.

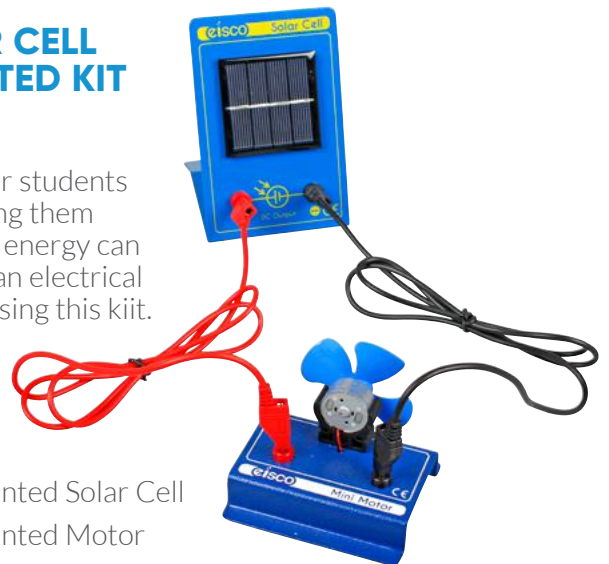
- 5x 1.5v solar panels with leads
- 5x AA batteries and battery holders
- 5x pairs of alligator clips and leads
- 10x 1.5v bulbs and holders



SOLAR CELL MOUNTED KIT

2B229

Wow your students by showing them how light energy can produce an electrical current using this kit.



- 1x Mounted Solar Cell
- 1x Mounted Motor
- 2x Connecting leads (one red and one black)

- The solar cell measures 100mm x 90mm x 130mm and the mini motor measures 75mm x 90mm x 70mm

MAXITRONIX™ 30-IN-1 ELECTRONICS LAB KIT

2B241

Introduce and inspire your children to explore the world of electronics with this Maxitronix™ 30-in-1 Electronics Lab Kit.

The kit is designed to make assembling the individual kits easy for children as it doesn't require soldering - using a series of spring loaded terminals to create a circuit. Easy assembly makes this kit engaging whilst allowing children to focus on the learning aspect of the kit, i.e. the principles and process behind building those individual kits.

- Requires 2x AA batteries (not included)
- Measures 240mm W x 190mm D x 70mm H (approx)
- Weight: 400g approx (excluding batteries)
- Ages 10+ (under adult supervision)



MAXITRONIX™ 10-IN-1 ELECTRONICS LAB KIT

2B240

The kit is designed to make assembling the individual kits easy for children as it doesn't require soldering - using a series of spring loaded terminals to create a circuit. Easy assembly makes this kit engaging whilst allowing children to focus on the learning aspect of the kit, i.e. the principles and process behind building those individual kits.

The ten projects are Morse Code by Light, Morse Code Oscillator, Diode Experiment, Diode Radio, 1-Transistor Radio, 1-Transistor Radio with Diode, Wireless CW Transmitter, Patrol Car Siren, Audio Frequency Oscillator, and Security Alarm

- Requires 1x 9V battery (not included)
- Ages 8+ (packaging states 10 and over, this is an error)



SCIENCE STEM APPROACH

Prepare your students for the roles of the future!

Minds will be challenged and imaginations unleashed as students develop skills such as innovation, creativity, reasoning and problem-solving; and technical science skills such as questioning, observing, systematic experimentation, and analysis and interpretation of data.

- Self-assessment
- STEM curriculum links
- Easy to follow lesson plan format, with term overview to start of each unit
- Assessment sheets provided for science knowledge

- 2Q250** Foundation
- 2Q251** Year 1
- 2Q252** Year 2
- 2Q253** Year 3
- 2Q254** Year 4
- 2Q255** Year 5
- 2Q256** Year 6



STEM PROJECTS

- 2Q280** Foundation
- 2Q281** Year 1
- 2Q282** Year 2
- 2Q283** Year 3
- 2Q284** Year 4
- 2Q285** Year 5
- 2Q286** Year 6



The STEM projects box focuses on slowly integrating science, technology, engineering, and mathematics into younger children's learning. The boxes contain sub strands of science to make learning easier for younger students, with long term project and short term projects to complete. With this hands-on content, your children will learn valuable skills about planning, designing, and evaluating their scientific work.



Scan QR to shop for the STEM projects kits

PLASTIC CASED BAR MAGNETS

2P039 80 x 22 x 10mm Pair
2P040 Class Set

- Colour coded to easily identify each pole
- 30x plastic cased bar magnets measuring 80 x 22 x 10mm
- 2x demonstration bar magnets measuring 130 x 40 x 10mm



BAR MAGNETS KIT

2A028

- 20x Bar magnets measuring 80 x 22 x 10mm
- 1x demonstration bar magnet measuring 130 x 40 x 10mm



MAGNETIC WANDS

2A010 Set of 6

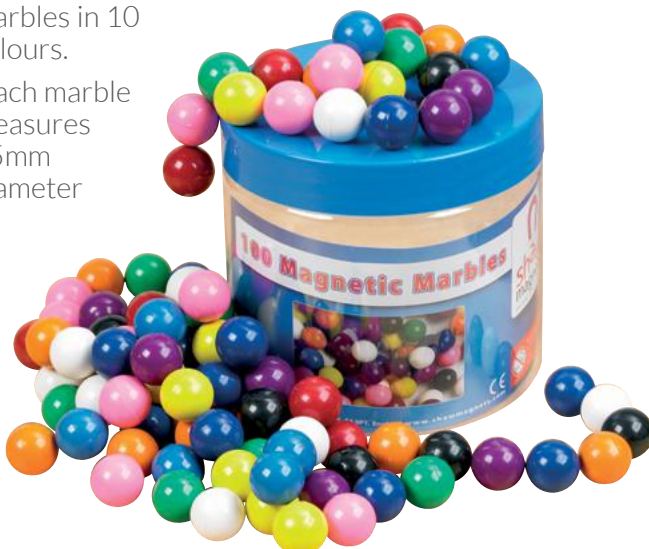
Set of six 190mm wands in a rainbow of colours.



COLOURED PLASTIC MAGNETIC MARBLES

2A030 Tub of 100

- 100x Plastic marbles in 10 colours.
- Each marble measures 15mm diameter



METAL RING COUNTERS

2A012 Bag of 100

These transparent plastic counters with a metal edge are a useful addition to any experiment using magnets.

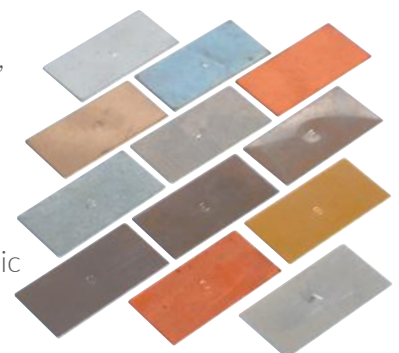


NON-MAGNETIC
Not for whiteboard use

METAL STRIPS

2A015 Set of 12

- Stamped strips (brass, copper, bronze, nickel silver, mild steel, stainless steel, galvanised steel, zinc and aluminium)
- Very useful for predicting the magnetic qualities of metals
- Measures 50mm

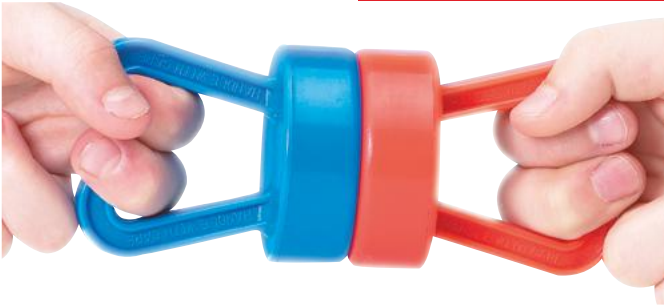


SUPER MAGNETS (PAIR)

2A022

Housed in tough colour coded (Red - North and Blue - South) outer cover the design allows children to safely experience first hand the force of Neodymium – currently Earth’s strongest permanent magnet!

SUPER STRONG



GIANT HORSESHOE MAGNET

2A024

Giant colourful magnet capable of lifting large objects.



H 210mm

MAGNETIC COMPASS

35mm
2P012
Each

2P012-30
Box of 30

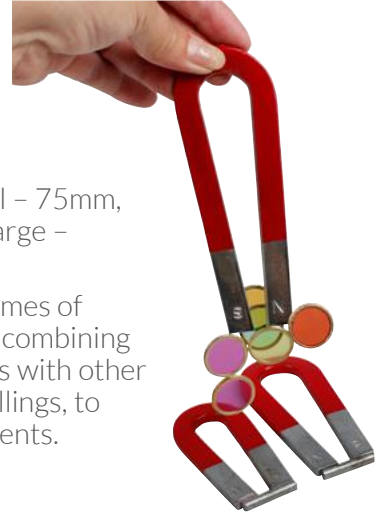


MAGNET - HORSESHOE SET OF 3

2A023

The set of magnets: small – 75mm, medium – 100mm, and large – 125mm.

Explore fundamental themes of force and magnetism, by combining these horseshoe magnets with other resources, such as iron fillings, to design engaging experiments.



CHUNKY HORSESHOE MAGNET

2A006

Measures
120 x 120 x 20mm



IRON FILING BUBBLE

2A250

Each

2A250-5

Set of 5

Iron filings encased in a plastic bubble allow students to observe the effects of invisible magnetic fields easily and cleanly.

Measures 85mm diameter.



IRON FILINGS

2P037

Fine
225g



DELUXE MAGNET KIT 2A102

- 1x 12cm horseshoe magnet
- Set of 6 magnetic wands
- Floating ring set
- 10 plastic bar magnets
- 20 magnetic marbles
- 100 magnetic counters
- Iron filing bubble
- 250gm iron filings
- Magnetic compass
- Pack of 6 magnetic pins

**NEATLY
PACKED IN A
GRATNELLS
SORTING
TRAY**

Gratnells
SHALLOW Tray



MAGNETISM MATERIALS TESTING SET 2A106

- 20x magnetic and non magnetic objects sealed in clear plastic pots
- 2x magnetic wands to test for magnetism
- Materials include: Sea shells, wood, plastic beads, washers, string, chalk, foam, paper clips, brass screws, cloth, paper, drawing pins, pebbles, aluminium foil, polystyrene, feathers, copper clips, nails, stainless steel and rice.



MAGNETS 'N' MORE SCIENCE KIT 2A107

- 2x plastic cased bar magnets
- 1x iron filing bubble
- 20x magnetic counters
- 4x florist wire
- Ideas sheet



DELUXE FLOATING RING MAGNETS SET 2A032

- 1x Wooden rod
- 5x Coloured ring magnets (yellow and blue)



LIGHT, COLOUR AND SOUND

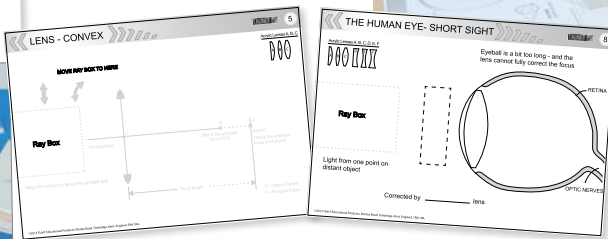
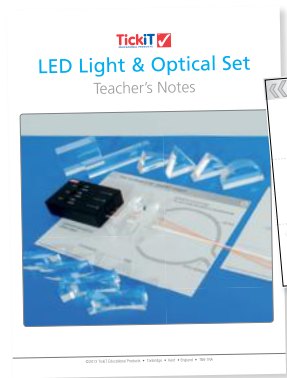
LED LIGHT BOX & OPTICAL SET

2C055

Comprehensive light and optics set which includes a 3 beam ray box (each beam available in dual colours – white or red) and an array of lenses and prisms, teacher's notes and 9 pupil work cards.

3x AAA batteries required.

Recommended for students from 8 years.



DECA PRISM SET

2C054

The set contains ten 25mm thick optical acrylic prisms stored in a foam lined box:

- | | |
|----------------------|-----------------|
| Equilateral triangle | Semicircular |
| Equilateral triangle | Biconvex |
| Isosceles 90° | Biconcave |
| Scalene 90° | Plano - convex |
| Rectangle | Plano - concave |

Size of prism: approx 75mm.



PRISMS - GLASS

2C056

Set of 7 prisms

7 prisms in a wooden storage box. Highly polished 13mm thick glass.

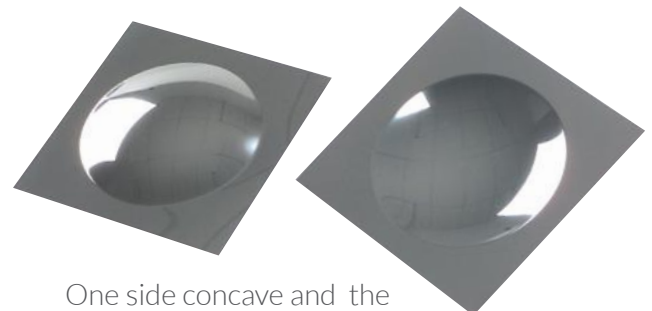
- Equilateral Triangle - 76mm
- Triangular Prism - 50 x 25 x 13mm
- Triangular Prism - 50 x 25 x 19mm
- Semi-circle - 89mm
- Trapezoid - 89 x 33mm
- Double Convex Prism - 89mm with 95mm outer radius
- Double Concave Prism - 89mm with 95mm inner radius



UNBREAKABLE PLASTIC CONCAVE/CONVEX MIRRORS

2D006

Pack of 10



One side concave and the reverse side, convex. Interior mirror 70mm diameter. High quality mirror finish.

Measures 100mm square.

UV BEADS AND TORCH

- 2C155** UV Torch
- 2C152** Box of 500 UV Beads
- 2C156** Box of 1000 UV Beads and UV Torch
- 2C158** Box of 200 UV Beads, UV Torch and Laces

UV Light Detecting Beads contain a pigment that changes colour when exposed to UV light from the Sun or other sources like hand-held UV torch. The beads also glow in dark after charging with UV.

The torch measures 95mm x 30mm diameter.



UV & GLOW IN THE DARK

COLOUR MIXING GLASSES

2E007

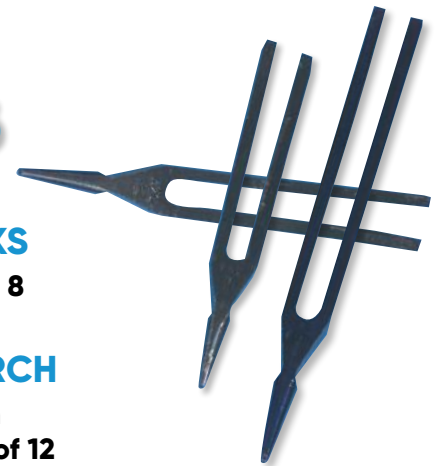


- Easy-to-change lenses.
- 2 each of red, yellow, blue and distortion lenses.
- Combine 2 lenses per side to teach colour mixing.
- Single lenses teach primary colour identification.
- Colour-mixing guide.



TUNING FORKS

2C105 Set of 8



STUDENT TORCH

2P087 Each
2P087-12 Box of 12



- Measures 150mm x 37mm
- Encased with sturdy rubber for durability

PERCUSSION SET

2P1381
Set of 10



- Pair of maracas
- Pair of castanets
- Tambourine
- Triangle and beater
- Pair of claves
- Rhythm-clapper
- Single tone guiro and beater
- Pair of finger cymbals
- Wooden shaker pot
- 13 bell jingle stick

COLOUR PADDLES

2C151 Set of 18

Transparent 150mm paddles in 6 colours, and three textures.



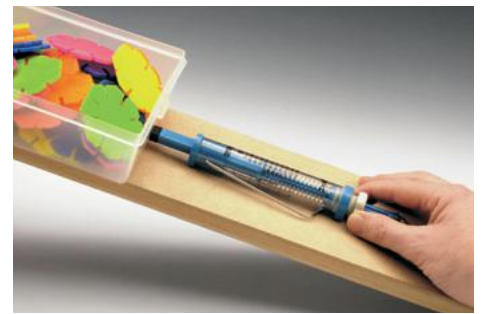
BEST SELLER

PUSH AND PULL SPRING SCALES



Clear plastic tubes enable students to see spring action. Incorporates unique zero adjustment.

- 1K115**
250g (blue)
- 1K116**
500g (green)
- 1K117**
1kg (brown)
- 1K118**
2kg (red)
- 1K119**
3kg (white)
- 1K120**
5kg (yellow)



Dimensions w x h (mm)
23 x 294

ROCKET CANISTER

2F022-10
Set of 10

2F022-50
Set of 50



ROUND BALLOONS

2P005
Pack of 45



NEWTON'S CRADLE

2F026

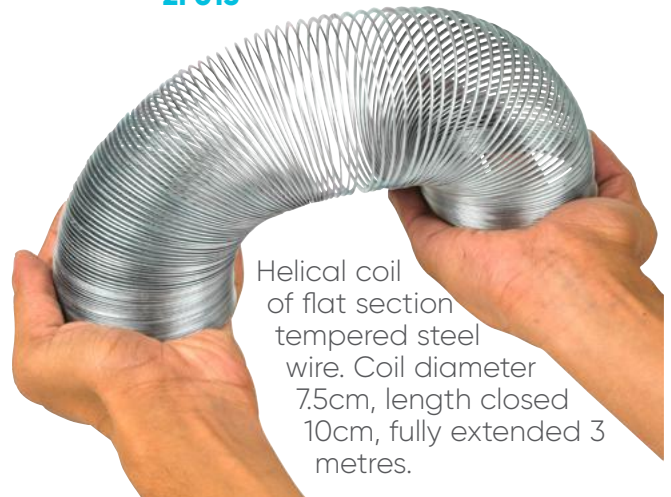
- The base measures W 152mm x L 178mm

- The five balls weigh 4.3g and measure 23mm in diameter



WAVE FORM - HELIX (SLINKY) SPRING

2F013



Helical coil of flat section tempered steel wire. Coil diameter 7.5cm, length closed 10cm, fully extended 3 metres.

INCLINED PLANE

2F040

This wooden machine is elegantly designed and easy for students to use. It comes with a built in mass but the cart has a shallow indent for adding additional mass if needed. Student can study several different simple machine concepts off of this one apparatus. Teachers guide included.

Dimensions (mm)
420 x 90 x 50



SIMPLE MACHINES - PULLEY

2F041

The pulley system stands on a secure base and is made up of solid wooden and particle board components. The apparatus lends itself to safe, inquiry-based learning.

- 1x Pulley L 165mm x W 89mm x H 410mm
- 1x Teachers Experiment Guide

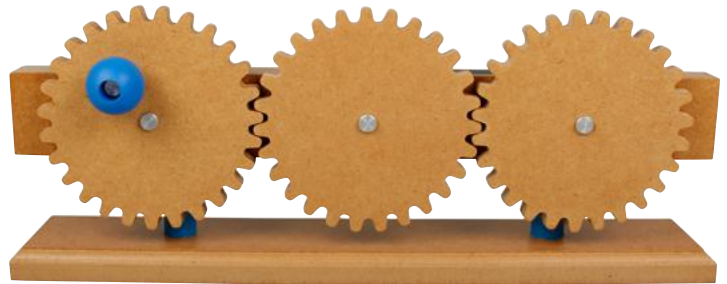


SIMPLE MACHINES - GEAR TRAIN

1A304

The sturdy base that sits flush with the tabletop, ensuring stability and safety when being used to demonstrate how moving parts interact.

- 1x Simple Machines - Gear Train is included, measuring L 413mm x W 89mm x H 165mm
- 1x Teachers Experiment Guide

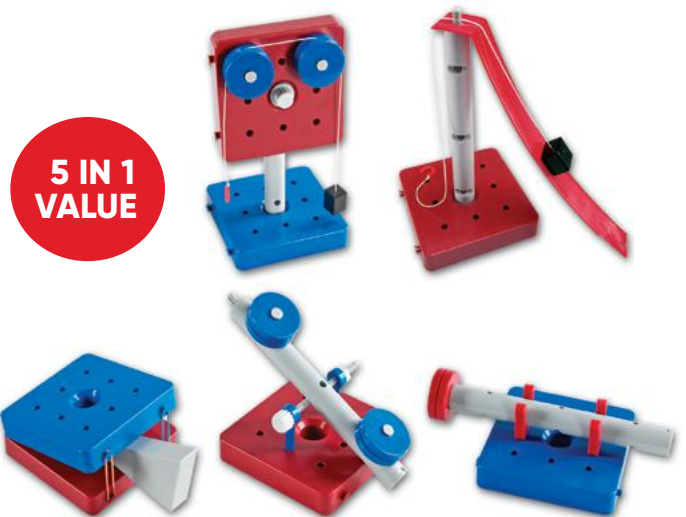


SIMPLE MACHINE SET

2F018

Contains enough pieces to build a lever, pulley, inclined plane, wheel and axle and a wedge at the same time.

Modify machines with 4 included weights (two 5g and two 10g) and 8 included rubber bands to explore effort, force, load, motion and distance. Includes activity guide.



FORCES PUSH AND PULL KIT

2L020

- 5x 10mL syringes
- 5x 20mL syringes
- 2x airline connector packs
- 10x 250mm tubing
- Teaching notes



PULLEYS

2F031

Box of 15

5 of each single, double and triple pulleys.



THE SUN, EARTH AND THE MOON ORBITER MODEL

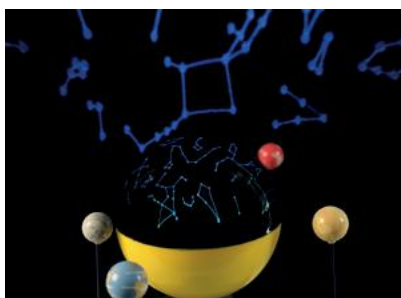
4A015

You can investigate the following:

- How the Earth's rotation causes day and night.
- How the Earth's revolution around The Sun and the tilt of its axis causes seasons.
- Why The Sun rises in the east and sets in the west
- Why there are eclipses and more
- The Sun, Earth and The Moon revolve around one another on this gear driven model.

Includes teachers activity guide. Requires 2x AA batteries (not included).

Measures L 410 x H 300mm and the Sun measures 150mm diameter.

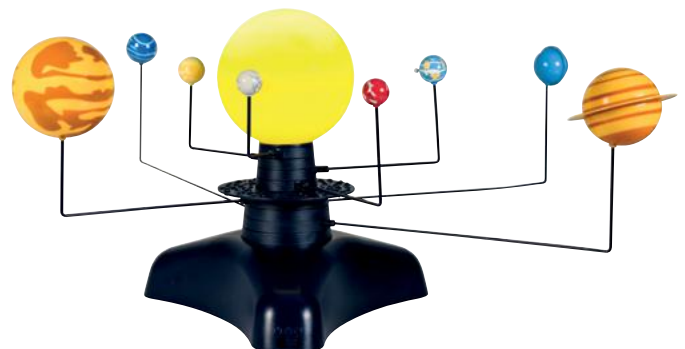


GEOSAFARI® MOTORISED SOLAR SYSTEM

4A012

It's two-in-one astronomy fun! Set up and observe the rotating solar system just like they do in space.

- Base with 8 rotating planets and LED light-up sun
- Constellation dome turns any ceiling into a planetarium
- Night-light feature with auto shut-off
- Requires 4 AA batteries (not included)



GIANT INFLATABLE SOLAR SYSTEM

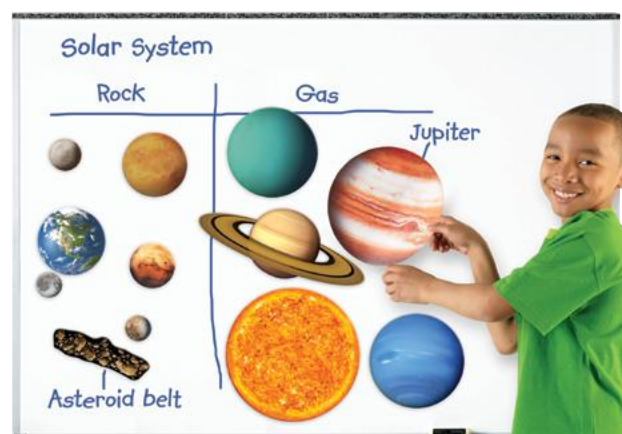
4A010

- Planets measures 130-580mm
- Activity guide
- A convenient foot pump



GIANT MAGNETIC SOLAR SYSTEM

4A011



- 8x planets: Pluto, Sun, Earth's moon, asteroid belt and guide.
- Sun measures 250mm in diameter

COMPACT ANEMOMETER 2J051

Use to show students that it's possible to calculate wind speed using this simple tool, by counting revolutions (using the red cup for reference).

An instructional guide included with the apparatus provides further detail on how to utilise the resource.

Dimensions w x h x d (mm)
220 x 180 x 105



DESK THERMOMETER/ HYGROMETER MONITOR 2J012

This easy-to-read thermometer illuminates with a touch to provide an instant snapshot of current temperature and humidity, in addition to the highs and lows of the last 24 hours.

Measure 88mm W x 88mm H x 28mm D

Requires 2x AAA (not included)



DIGITAL ANEMOMETER 2J050

It is a light weight device and is equipped with the latest magnetic sensing technology which can directly display the air flow speed on the LCD display.

It is a perfect tool for wind measurement, navigation, HVAC, and other areas.

Accuracy: Wind speed:
 $\pm 5\% \text{rdg} + 0.5$

Temperature: $\pm 2^\circ\text{C}$

Power requirement: 3x AAA (not included)

Dimensions w x h x d (mm)
160 x 50 x 28



BAROMETER 2H001

This is a 300 degree analogue barometer calibrated in millibars of mercury. It also has the classic markings of "Storm", "Change", "Fair", etc. Comes with instruction booklet template, mounting template and screws.

Dimensions:

- Face: 95mm
- Flange: 120mm
- Depth: 37mm

DIGITAL DUAL TEMPERATURE THERMOMETER 2J011

• Records both indoor and outdoor temperature (Celsius and Fahrenheit) at the same time.

• Includes a 2.7m temperature probe for recording outdoor temperature.

• Powered by 1x AAA battery (included)



THE HUMAN BODY

HALF SIZE SKELETON 2K001

Plastic skeleton is supplied with its own stand.

Helps students understand the principles of bones within the body.

Measures 850mm tall.

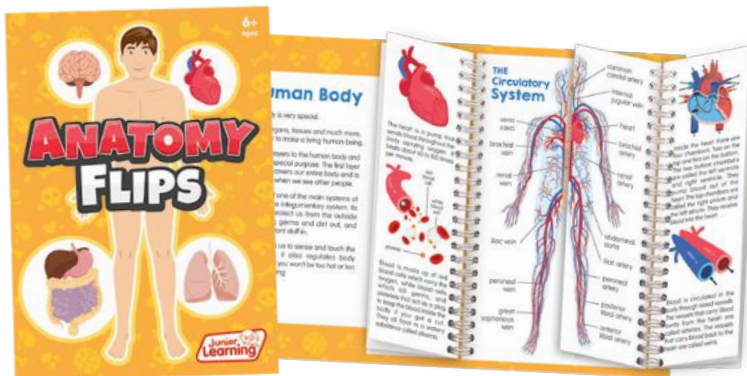


ANATOMY FLIPS

JL647 Flip Book

Learn about the major parts of the body and how they work together. This innovative flip book enables students to explore the different systems that work inside the human body.

Includes skin, muscular, digestive, circulatory, respiratory nervous and skeletal systems. Ages 6+

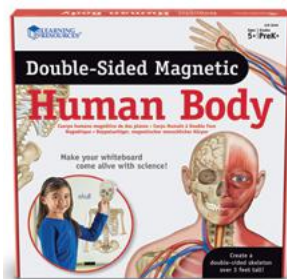


DOUBLE-SIDED MAGNETIC HUMAN BODY

2K124 17 Pieces

Twice the learning-skeletal system on one side and major organs and muscle groups on the other!

Realistically detailed pieces combine to create a body over 920mmH. Includes Activity Guide with reproducible diagrams. Ages 5+.



HUMAN ANATOMICAL TORSOS

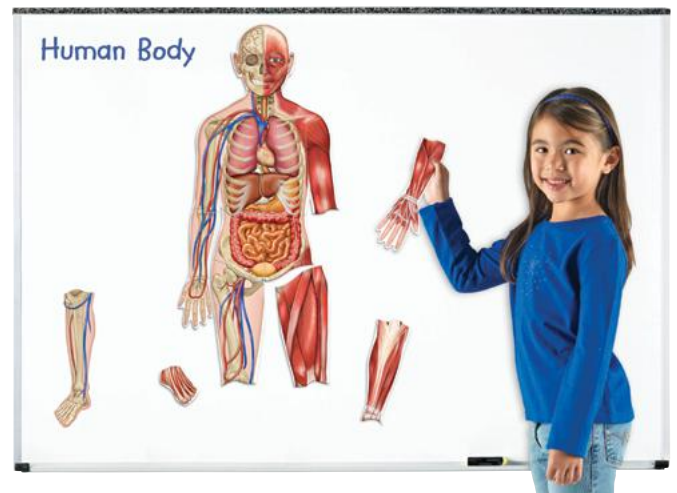
These dissectable anatomical torso consist of realistically coloured and detail body parts in the correct proportion and location. They include a photocopyable key to parts, ideal for pupils to learn about the major organs and the physical relationship between them. Available separately.

QUARTER-SCALE ANATOMICAL TORSO

2K125 8 Pieces



- Consists of 8 pieces
- Easy to assemble and disassemble
- Accurately coloured and proportioned
- Measures 270mm



BRAIN ANATOMY MODEL

2K105 **31 Pieces**

Features cerebellum, frontal, parietal, temporal, and occipital lobes; corpus callosum, brain stem, hippocampus, ventricles, insula, corpus striatum, internal capsule, and lentiform nucleus. 31-Piece model measures 100mmH when assembled.



HEART ANATOMY MODEL

2K104 **29 Pieces**

Features superior and inferior vena cava, right and left atria, tricuspid valve, right and left ventricles, pulmonary artery, mitral valve, aortic valve, and aorta. Opens when assembled so students can explore from the inside. 29-Piece model measures 127mmH when assembled.



STETHOSCOPE

2K003
Standard
Bowles



HUMAN EYE

4X LIFE SIZE

2K108 **6 Pieces**

Classic model of the human eye with accurate and detailed colourful components. Dissects into: a two part sclera with cornea and eye muscle, both halves of the choroid with iris and retina, lens and vitreous humour. Photocopiable key to parts is included.

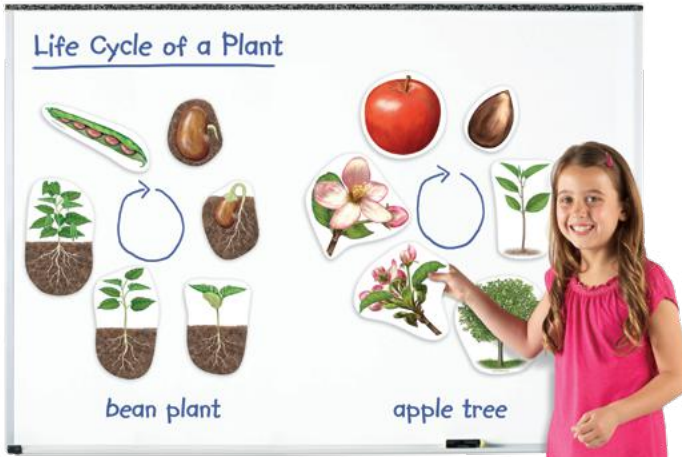
Measures
205 x 130 x 150mm



GIANT MAGNETIC PLANT LIFE CYCLE

2K074 Set of 12

Enlarged for demonstration on the whiteboard. Feature realistic illustrations to model up to 6 stages in the life cycle of a bean plant and apple tree. Two life cycles in one! Label-free for versatility. Largest piece measures 225 x 175mm.



GIANT MAGNETIC BUTTERFLY LIFE CYCLE

2K073 Set of 9

Enlarged for demonstration, magnets featuring realistic illustrations model up to 9 stages in the butterfly life cycle. Label-free for versatility. Largest piece measures 225 x 175mm.

SEE THROUGH COMPOST CONTAINER

2H100

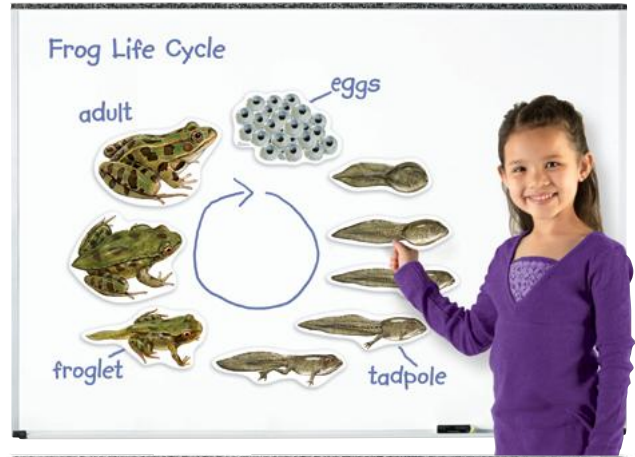
Three aerated compartments enable children to view the entire decomposition process clearly and make side-by-side comparisons among different materials. A great way to teach decomposition, composting, life cycles and environmental education. Ages 4+



GIANT MAGNETIC FROG LIFE CYCLE

2K075 Set of 9

Realistically detailed jumbo magnets are designed for demonstration. Model up to 9 stages in the frog life cycle. Largest piece (adult frog) measures L 200mm x H 200mm.



HYDROPONICS LAB

2H010

- 3x shatter-proof plastic test tubes
- 3x stands
- 3x support rod tops
- 3x support rod bottoms
- 3x seed baskets
- Activity Guide
- Ages 5+



MAGNIFIERS KIT 2P102

- 5x Bug viewer
- 1x Two way bug viewer
- 30x Fine detail magnifiers class set
- 5x Magnifier - 75mm



75mm MAGNIFIER 2P093 Each

2P093-10
Box of 10

2P093-30
Box of 30

- Magnifying glass 75mm diameter
- 2.5x magnification
- Individually packed

FINE DETAIL MAGNIFIER CLASS SET

2P047-30

Box of 30

Robust student magnifier with a built-in fine detail lens.

The dual lenses offer increased magnification.



Dimensions d (mm)
75 x 50



OPTIMAX KIT 2E010

- 5x Dual view bug magnifiers
- 10x Fine detail magnifier)
- 3x 75mm magnifier

KIDNOCULARS 2E201

- 1x Pair of 'Kidnoculars' binoculars (14 x 18cm)
- 1x 76cm attachable neck strap
- 1x Hand placement guide



TWO WAY BUG VIEWER

2E052

Specimens can be viewed from above and below with this two way magnifying bug viewer.



Dimensions l x h (mm)
190 x 130



BUG VIEWER 2E006

Observe creatures in this viewing pot with 2x magnification lid and 3.5x magnification viewer.

Clear base with micro ruler.

Dimensions (mm)
75 x 55

STEREO MICROSCOPE

2E050

Designed for observation of various types of 3D specimens and objects. Precision optics provide a wide field of view with good depth of field and high resolution. Rugged metal construction assures years of service.

The head can be raised or lowered on the post to accommodate various sized specimens. Versatile illumination system offers incident or transmitted lighting through the frosted glass stage plate.



- Stand with 45° inclined binocular stereo head
- Pair of 10x widefield eyepieces with rubber eye guards
- Dual focusing knobs, rack & pinion mechanism
- 2x & 4x Objectives for 20x/40x magnification
- Incident (top) & transmitted (lower) 10W halogen illumination
- 4 way switch allows top light, bottom light, both or off
- Frosted glass stage plate 95mm diameter with clips
- 1 Year warranty
- Vinyl dust cover



PETRI DISH

2L004

Set of 20

90mm diameter



BLANK MICROSCOPE SLIDES

2E061

Set of 72

- 72 slides
- 200 cover slips



STUDENT BIOLOGICAL MICROSCOPE

2E066

Entry level student with the basic features for educational use in primary and middle school.

- Monocular viewing head
- LED illumination brightness adjustable
- Detachable AC power adaptor
- Optical glass lenses
- 10x Widefield eyepiece
- 3 Achromatic objective lenses 4x, 10x and 40x
- Plain stage with slide clips 110 × 120mm
- Coaxial coarse and fine adjustment
- Quality construction, metal frame
- 5 years warranty



A2111 - DINO-LITE BASIC MICROSCOPE 2E055

- Capture picture, video and time-lapsed video
- Resolution: 640 x 480 pixels (VGA)
- Magnification: 10x~50x, 200x (Digital) - Continuous without switching lenses
- Built-in white-light 4 LED's illumination
- Frame rate: up to 30fps
- Interface: USB2.0
- Dimension: 10cm (H) x 3.2cm (R)
- Weight: 95g
- DinoCapture v2.0 Software (Included)



AM411T - DINO-LITE PROMICROSCOPE 2E056

- Capture picture, video and time-lapsed video
- Includes microtouch snapshot (PC only) to take photos directly from the device
- Resolution: 1280x1024 (SXGA 1.3M Pixel)
- Built-in white-light 8 LED's illumination
- Frame rate: up to 30fps
- Magnification: 10x~50x, 200x (Digital) - Continuous without switching lenses
- Interface: USB2.0
- Dimension: 10cm (H) x 3.2cm (R)
- Weight: 95g
- DinoCapture v2.0 Software (Included)

MS-08B DINO-LITE MINI STAND 2E067

- Made to fit all Dino-Lite microscopes and can be adjusted for height and rotation
- Great for hands-free focusing
- Measures L 100mm x W 75mm x H 150mm

**Microscope not included



GEOSAFARI® ROCKS & MINERALS COMPLETE SET

2E063

- 5 individual sets: Sedimentary Rocks, Metamorphic Rocks, Igneous Rocks, Minerals and Fossils
- 9 fossils and 12 each of minerals, sedimentary rocks, metamorphic rocks and igneous rocks
- Each set features full-colour identification chart, labels and useful storage tray. Includes activity guide



PREPARED SLIDE SET

2E060 Set of 40 slides

- | | |
|---------------------|-----------------|
| • Wicked Wings | • Extraordinary |
| • Blood and Guts | • Ordinary |
| • Creepy Crawlies | • Lily Pad Leap |
| • Incredible Edible | • Flower Power |
| • Plants | • Fun Guys |



BUG BLOCK SET C - ANIMAL KINGDOM

2E092 Set of 20

- | | |
|---------------|----------------|
| • Leech | • Cicada |
| • Cuttlefish | • Mantis |
| • Spider | • Butterfly |
| • Centipede | • Dragonfly |
| • Crab | • Stick Insect |
| • Long Horned | • Fish |
| • Beetle | • Frog |
| • Cricket | • Turtle |
| • Cockroach | • Bird |
| • Wasp | • Mouse |
| • Stink Bug | |



Dimensions (mm)
340 x 255 x 40

MINI BUG BLOCKS

2E093 Set of 8

- | | |
|-----------------|------------------------|
| • Chafer Beetle | • Scorpion |
| • Tiger Beetle | • Antler Horned Beetle |
| • Bamboo Weevil | • Crab |
| • Ladybird | • Locust |

Dimensions (mm)
44 x 28 x 15



MINI BEASTS FROG LIFE CYCLE 2E096

- 1x Eggs
- 3x Tadpole (0-6, 6-9, 9-12 weeks)
- 1x Froglet
- 1x Adult Frog

All blocks measure L 6cm x W 3.5cm



MINI BEASTS INSECTS AND SPIDERS - SMALL (SET OF 6) 2E094

- 1x Praying Mantis
- 1x Cockroach
- 1x Shield Bug
- 1x Cricket
- 1x Goliath Scarab Beetle
- 1x Spiny Spider

Measurements:

- Shield bug, cricket, spring spider, goliath scarab beetle: L 4.5cm x W 3cm
- Cockroach: L 7.5cm x W 4cm
- Praying mantis: L 11cm x W 4.5cm

CLEAR LABELS OF EACH CREATURE'S NAME

MINI BEASTS BUTTERFLY LIFE CYCLE 2E097

- 1x Egg specimen
- 1x Caterpillar
- 1x Chrysalis
- 1x Butterfly

Measurements:

- Eggs, chrysalis, caterpillar: L 7.5cm x W 4cm
- Butterfly: L 7.5cm x W 7.5cm



MINI BEASTS INSECTS AND SPIDERS - LARGE (SET OF 15) 2E095

- 1x Unicorn Beetle
- 1x Blue Leaf Beetle
- 1x Green Rose Chafer Beetle
- 1x Spotted Red Bug
- 1x Grasshopper
- 1x Grass Cicada
- 1x Honey Bee
- 1x Butterfly
- 1x Scorpion
- 1x Wasp Spider
- 1x Ghost Spider
- 1x Tarantula
- 1x Ant
- 1x Wasp
- 1x Termite

Measurements:

- Grass cicada, honey bee, ant, wasp, termite, blue leaf beetle, spotted red bug, green rose chafer
- beetle: L 4.5cm x W 3cm
- Unicorn beetle, grasshopper, wasp spider, golden scorpion, tarantula, ghost spider: L 7.5cm x W 4cm
- Butterfly: L 7.5cm x W 7.5cm



POLYDRON

ENGINEER

POLYDRON ENGINEER CLASS SET

1A015 **250 pieces**

- 4x Baseboard
- 5x Hole linkage (various)
- 8x Cam
- 18x Gear (various)
- 12x Pulley (various)
- 2x 'O' Ring (410mm)
- 2x Handle
- 15x Strut (90mm, 180mm, 330mm)
- 26x Stub axle and connector
- 44x Square (various)
- 4x Octagon
- 76x Squares and rectangles
- 32x Triangles
- 2x Cord
- Work cards
- 1x GrateNells Deep Tray with lid measuring L 427mm x W 312mm x H 150mm

**250
PIECES**



POLYDRON

STEM

POLYDRON STEM SET

1A016 **486 pieces**

- 4x Baseboards
- 4x Octagons
- 110x Triangles (various)
- 188x Squares and rectangles (various)
- 4x Hexagon (various)
- 21x Struts (90mm, 120mm, 180mm, 250mm, 320mm)
- 23x Gears (various)
- 8x Pulleys (various)
- 3x O Rings (200mm, 270mm, 317mm)
- 11x Hole linkages (various)
- 14x Wheels (various)
- 25x Stub axles and connectors
- 6x Cam
- 2x Handle
- 2x Propellor
- 60x Chain link
- 1x String (3m)
- Work cards
- Teacher guide
- 1x cardboard box measuring L 465mm x W 300mm x H 140mm

**486
PIECES**



POLYDRON

BRIDGES



Draw Bridge



Cantilever Bridge



Pratt Truss Bridge



Deck Truss Bridge

POLYDRON BRIDGES

1A005 322 pieces

- 132x triangles (68 equilateral, 4 large equilateral, 56 right angle, 4 isosceles)
- 114x squares (70 standard, 44 solid fill, 4 with single hole)
- 24x rectangles (14 standard, 2 with holes, 8 with square holes)
- 13x struts (8 long 330mm, 2 medium 110mm, 3 short 80mm)
- 15x plinths
- Attachments (4 pulleys, 2 handles, 2 hinges, 6 eyelets, 4 string, 2 suspension string)
- Work cards and lesson plans
- Grattells Jumbo Tray with lid

Individual square pieces measure 73mm x 73mm.



Cable Stayed Bridge



Suspension Bridge



Howe Truss Bridge



Warren Truss Bridge



BUILD ALL 8 BRIDGES AT ONCE

322 PIECES

| | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------------|-----------|--------|--------|-----------|--------|-----------|----------|--------|--------|-------------|-------------------|-------|-----------|--------|--------|--------|-------------------|------------|------|----------------|
| | | | | | | | | | | | | | | | | | | | | | |
| Equilateral | Right Angle | Isosceles | Root 2 | Square | Rectangle | Square | Strut 330 | Strut 80 | Pulley | Handle | Square Hole | Rectangle 2 Holes | Hinge | 2 Squares | Eyelet | Plinth | String | Suspension String | Work Cards | Book | Grattells Tray |

ABACUE SCIENCE KITS

| | | |
|---|--|---|
| <p>WEATHER IN MY WORLD 2PC001 Foundation</p>  | <p>STAYING ALIVE 2PC002 Foundation</p>  | <p>GROWING WELL 2PC005 Foundation</p>  |
| <p>THAT'S MY HAT 2PC006 Foundation</p>  | <p>LOOK! LISTEN! 2PC101 Year 1</p>  | <p>SCHOOLYARD SAFARI 2PC102 Year 1</p>  |
| <p>BEND IT! STRETCH IT! 2PC105 Year 1</p>  | <p>DINOSAURS AND MORE 2PC106 Year 1</p>  | <p>PUSH-PULL 2PC201 Year 2</p>  |
| <p>WATERWORKS 2PC202 Year 2</p>  | <p>WATCH IT GROW! 2PC203 Year 2</p>  | <p>ALL MIXED UP 2PC204 Year 2</p>  |
| <p>MACHINE MAKERS 2PC205 Year 2</p>  | <p>NIGHT AND DAY 2PC301 Year 3</p>  | <p>FEATHERS, FUR OR LEAVES 2PC302 Year 3</p>  |
| <p>MELTING MOMENTS 2PC303 Year 3</p>  | <p>PLANTS IN ACTION 2PC401 Year 4</p>  | <p>MATERIAL WORLD 2PC402 Year 4</p>  |

SMOOTH MOVES

2PC403

Year 4



BENEATH OUR FEET

2PC404

Year 4



PACKAGE IT BETTER

2PC405

Year 4



FRIENDS OR FOES?

2PC406

Year 4



MAGNETIC MOVES

2PC407

Year 4



AMONG THE GUM TREES

2PC408

Year 4



LIGHT SHOWS

2PC501

Year 5



DESERT SURVIVORS

2PC502

Year 5



WHAT'S THE MATTER?

2PC503

Year 5



EARTH'S PLACE IN SPACE

2PC504

Year 5



MARVELOUS MICRO-ORGANISM

2PC601

Year 6



CHANGE DETECTIVES

2PC603

Year 6



EARTHQUAKE EXPLORERS

2PC604

Year 6



ESSENTIAL ENERGY

2PC605

Year 6



CREATORS AND DESTROYERS

2PC606

Year 6



CIRCUITS AND SWITCHES

2PC607

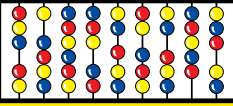
Year 6



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ABACUS EDUCATIONAL SUPPLIERS

• Maths • Science • Literacy • Storage • Incentives

We are a proud supporter of the OzHarvest Food Education and Sustainability Training (FEAST) program. FEAST is a 10-week curriculum-aligned program for primary (years 5 & 6) and high (years 7 & 8) schools, which explores the issue of food waste and its environmental impact, positive food choices and easy classroom cooking.

OZHARVEST FEAST PACKAGES

- 2T101** OzHarvest FEAST package including aprons
- supports 30 students
- 2T102** OzHarvest FEAST package including aprons
- supports 15 students
- 2T103** OzHarvest FEAST package
- supports 30 students
- 2T104** OzHarvest FEAST package
- supports 15 students



**Fast delivery
Australia wide**





- 2T041**
- 2T042**
- 2T043**
- 2T044**
- 2T030**
- 2T031**

- OzHarvest FEAST Use it Up Tape - Set of 30**
- OzHarvest FEAST Use It Up Tape - Set of 15**
- OzHarvest FEAST Student Apron - Set of 30**
- OzHarvest FEAST Student Apron - Set of 15**
- OzHarvest FEAST Electric Frypans - Set of 6**
- OzHarvest FEAST Electric Frypans - Set of 3**

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