

SCIENCE ESSENTIALS

GREAT PRODUCTS AT LOW PRICES!

EXPLORE. DISCOVER. INNOVATE.

NON CONTACT THERMOMETER

Safely measure temperatures from -50°C up to 600°C in hard to reach places, and hot or hazardous areas.

- 12:1 Distance to Spot Ratio
- Adjustable Emissivity
- High Limit and Low Alarms

NEW

GM320
\$119.80
each



DIGITAL MICROSCOPE WITH SCREEN

Digital microscope with built in 4.3" OLED display.

- Up to 600X Magnification
- LED Illumination

NEW

G258
\$159
each



ORBITOR , WITH LIGHT

Demonstrates the basic relationships of rotation, night and day, seasons and phases of moon between the Sun, Moon and Earth.

- Gear-driven extra large model
- Illustrated study guide included



B750

\$180
each

DRINKING BIRD

Shows cooling process of evaporation

HL001601

\$20
each



AQUAPOD BOTTLE ROCKET LAUNCHER WITH AIR PUMP

This is the most exciting and safest bottle rocket launcher ever.

NEW

G319
\$49
each



CROOKE'S, SINGLE, EXTRA LARGE - 22CM TALL RADIOMETER

It's the sphere powered by the sun. It converts solar radiation into mechanical motion. No batteries required.

G524

\$59
each

SOLAR SYSTEM SIMULATOR WITH LIGHT

Features all the planets of our solar system that revolve round the Sun – Saturn, Uranus, Jupiter, Neptune, Mars, Venus, Mercury, Earth and Pluto (now a dwarf planet).

- Illuminated Sun with labelled month positions



- Set planets by month to demonstrate the relative size of the planets, their distance from the earth and one another
- Illustrated study guide included

NEW

B740
\$180
each

BALL & RING APPARATUS

Demonstrate the expansion and contraction of metal.
Brass - Gravesande's

0200001

\$19
each



SNAP CIRCUIT, SUPER

OVER 300 EXPERIMENTS

A hands-on introduction to electronics. The components and connector system are creatively designed to facilitate and optimize learning by engaging students with exciting projects.

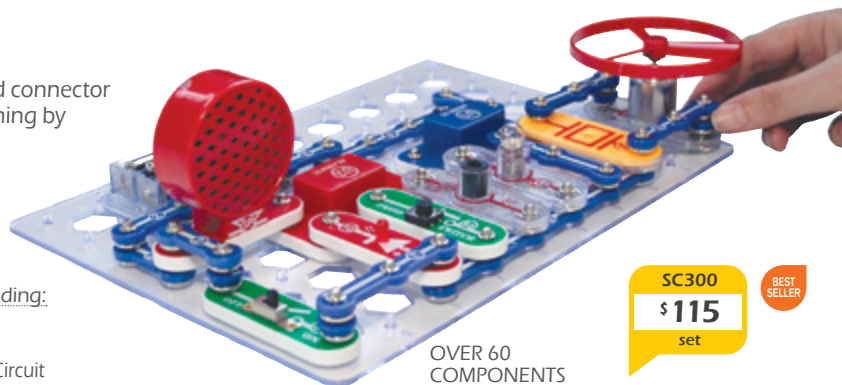
- 73 computer-interfaced experiments*
- Study projects in electro-magnetism, resistors and more
- Uses 4 "AA" batteries (not included)
- Includes projects manual

Build over 300 projects including:

- AM Radio
- Radio Announcer
- Lie Detector
- Burglar Alarm

Contains over 60 parts including:

- Two Transistors
- Microphone
- Power Amplifier Integrated Circuit
- Variable Capacitor



OVER 60
COMPONENTS

SC300

\$115

set

BEST
SELLER



ELECTRICITY KIT

CLASSROOM KIT

A complete classroom set of basic electrical components designed with both quality and economy in mind.

Includes:

- 16x bulb holders
- 16x switches
- 16x bulbs
- 2x motors
- 30x wire connectors
- 2x buzzers
- 16x battery holders
- 16x "D" batteries
- 1x Teacher's Guide
- Storage tub

CLK-01A

\$235

kit

UV BEADS

Expose the beads to UV light and watch them change colour. Great for use in UV experiments. Comes in pack/250.



UV750

\$25

pk/250

BALLOON HELICOPTER

Inflate one of the balloons, pinch off the neck, attach the balloon to the rotor blades and watch this simple helicopter soar into the air! No batteries or jet fuel required! Great demonstration of Newton's third law.

FS029

\$38

10/pkt



P114

\$79

p/set

MATERIALS KIT SOLID, MINI

This economy kit consist fourteen materials in the form of rectangular blocks, intended to familiarize the student with the appearance, 'feel', texture, hardness and density of a range of common substances.

SEISMOGRAPH MODEL

EARTHQUAKE DETECTOR

Teach the measurement of natural phenomenon. A recorder with attached support and suspended weight registers visual shock waves from simulated earthquakes.



540

\$75

each

ADAM

CB BALANCES

BEST
SELLER



The CB is a compact portable balance which is ideally suited for a variety of uses and applications. Its compact size facilitates effortless storage and transportation between classrooms. Pan size 13cm.

CODE	ACCURACY	UNIT	PRICE \$
CB501	500g x 0.1g	each	100.80
CB1001	1000g x 0.1g	each	120.60
CB3000	3000g x 1g	each	100.80
CBADAPTOR 6vDC 200mA		each	35.60



HAINES

LAB MANAGER

Volume 3, Edition 2

Please forward to the
Science Coordinator

ORDER FOR NOW FOR 2021 DELIVERY

EXPLORE. DISCOVER. INNOVATE.

SILICONE BENCH MAT, PACK 10

Economical and ideal for all your lab work. 30x40cm size, 1mm thickness, non-stick, non-porous and non-toxic surface. Simply wipe or rinse clean. Heatproof to 220°C. Not suitable as a cutting mat

NEW

SBM10
\$99
pk/10



POWER SUPPLY

BEST SELLER BEST VALUE

For banana plugs and alligator clips, with front mounted on/off switch, overload trip.

Output Range/Max
: 2-12V AC, 2-12V DC/5A



2633001
\$135
each

TEST TUBE HOLDER, SPRING TYPE

Stainless Steel, Strong spring clip, with strip of metal in wooden handle accepts tubes 15-25 mm.



5330
\$3.80
each

NEW

DIGITAL BENCH BALANCE

BEST SELLER BEST VALUE SPECIAL \$

1000 X 0.01G

This precision 1000 x 0.01g balance comes supplied with a wind shield and a built-in bubble level to provide maximum accuracy. Powered by 4 x AA batteries (not included) or mains adaptor (included).

- Auto power-off after 60 sec
- Automatic calibration
- Backlit LCD
- Tare and counting function
- Mains powered

QM7264
\$175
each



MULTI-TEST pH METER

Comes complete with relevant electrodes, batteries and operational instructions.

pH Range/Resolution: 1 to 15 pH, 0.01 pH

EC Range/Resolution: 0-2000 µS, 2-20mS / 0.1 µS, 1 µS, 0.01mS

TDS Range/Resolution: 0-1000 ppm, 1-10 ppt / 0.1ppm, 1ppm, 0.01ppt

Salinity Range/Resolution: 0-10 ppt, 0.10 ppt

Temperature Range/Resolution: 0 to 60°C, 0.1°C



ELITEPCTS
\$385
each

MULTI-TEST METER

- Sound/Light level/ Temperature & Humidity meter
- Ideal for all your classroom applications



QM1594
\$139
each

DIGITAL, STEM THERMOMETER

- Pocket digital
- Range: -50°/200°C, ±0.5°C
- Dimension: 205mm (H), 150mm SS probe



T268
\$29
each

BEST VALUE

WAS \$39

pH CHECKER

BEST SELLER

- Pocket-size digital, pH Checker
- pH/ Resolution/ Accuracy: 0 to 14 pH, 0.1pH, +/-0.2pH



HI98103
\$85
each

* flask not included

DRAINING RACK, BENCH/WALL MOUNTED, 32 PLACE

Sits on the bench or mount it on a wall. Size is 360x500mm, 32 pegs (70mm long). Nylon coated wire.



NEW

DR10
\$122
each

BUNSEN BURNER

STANDARD LPG OR NATURAL GAS

Base/tube diameter: 85 x 18mm, 130mm (H)

MA1230L
\$15.60
LPG

MA1230N
\$15.60
NATURAL GAS



BEST
SELLER



L808
\$11
each

L80810
\$98
pk/10

NEOPRENE TUBING

- Non-slip strong tubing with reinforced ends
- Safe and secure connection of bunsen burners to gas taps
- Also suitable for condensers
- Length 900mm

BURETTES

GLASS, PTFE stopcock,
schellbach. 50ml.
Class A

UNBREAKABLE,
CLEAR ACRYLIC,
ptfe stopcock 50ml

ROTAFLOW, GLASS
50ml, class A



86957
\$38
each



811335
\$25
each



G1903GP
\$38
each

86957

811335

G1903GP

GAUZE MATS

50201
\$23
pk/10



Wire, galvanised,
15cm square,
plain

502101
\$29
pk/10



Wire, galvanised, 15cm
square, ceramic centre*
* asbestos-free,
certification included

FIRST AID KIT 53 PIECE

Ideal for the smaller sized classrooms.
This kit contains sticky plasters,
bandages, safety pins, anti-bacterial
solution, scissors and much more. All
packed in a super durable, red high
visibility nylon storage case.

ST3972
\$21
each



FLAME TEST BOTTLE, 50ML

Show cation flame
colours quickly - spray low
concentration of solution
directly into flame using these
economical flame test bottle.
Bottle top nozzles
available separately.



FTB001
\$28.50
pk/10



FTB003
\$22.50
pk/10
Nozzle only



NO MESS! NO
CONTAMINATION!

DIGITAL STOPWATCH

HEAVY DUTY

- 0.01 sec timing, up to 30min
- 6 digits LED display
- Runs on 1 x AA Battery



XC0270
\$11.50
each

Made in
Australia

STOPWATCH/ COMPASS TRAY

- Holds stopwatches, map readers
and compasses
- 15 slots
- Easy storage



SW/T001
\$55
each

WATER BATH - 14L

This simple, general purpose water bath is designed to
rest on and be heated by an IEC Hot Plate or Hot Plate/
Stirrer (not included). Even heating may be accomplished
by manual stirring or by using a magnetic spin bar in
conjunction with a magnetic stirrer/hotplate.

- Stainless steel bath for superior durability & high thermal
efficiency
- Thermometer (not included) required to monitor
temperature if a temperature controller is not used
- Can also be used as a dry oven and will form an
important part of IEC's new Gas Chromatograph

Contact us for IEC hot plate/stirrer or thermometer.

Internal Dimension : 260 x 180 x 125mm (L x W x H)



CH4240-001
\$230
each

NOTE: HOTPLATE
NOT INCLUDED

TEMPERATURE CONTROLLER

This thermostat fits over the edge of the
IEC Water Bath to control the hot plate.
This ensures that the water temperature
in the water bath is maintained.



CH4240-101
\$172
each



LABCOATS

BRAND NEW LABCOATS FOR USED COAT PRICES!

Specify Colour When Ordering

- No Min Order Quantities!

Material:

Cotton Polyester / Press Button Studs / 3 pockets

White

XX-Small	LCNXXS
X-Small	LCNXS
Small	LCNS
Medium	LCNM
Large	LCNL
X-Large	LCNXL

was \$39

\$25
each

Navy Blue

Small	LCNSB
Medium	LCNMB
Large	LCNLB
X-Large	LCNXLB

was \$39

\$29
each

BEST SELLER

LAB COAT RACK - SINGLE RAIL

Portable single rail rack for keeping your lab coats organised and crease-free. Mounted on sturdy rubber wheels. Chrome-finish.

Size: 1280 x 580 x 1420-1670mm (W x D x H)

- Holds up to 80 coats
- You never have to fold your coats again!
- Easily store your coats
- Count & sort
- Wheel them around easily
- Hang them up to dry



L500

\$220
each

Adjustable height:
142-167cm

58cm 128cm

GLOBAL HARMONIZATION STANDARD (GHS) SAFETY LABELS

25 X 25mm - 100 LABELS/ROLL

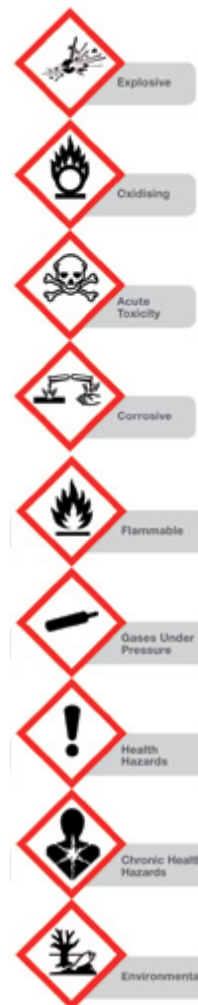
CODE	DESCRIPTION	UNIT	PRICE \$
GHS01	Explosive	each	9.90
GHS02	Flammable	each	9.90
GHS03	Oxidizing	each	9.90
GHS04	Gases Under Pressure	each	9.90
GHS05	Acute Toxicity	each	9.90
GHS06	Health Hazard	each	9.90
GHS07	Corrosive	each	9.90
GHS08	Chronic Health Hazard	each	9.90
GHS09	Environmental	each	9.90

50 X 50mm - 100 LABELS/ROLL

CODE	DESCRIPTION	UNIT	PRICE \$
GHS10	Explosive	each	11.50
GHS11	Flammable	each	11.50
GHS12	Oxidizing	each	11.50
GHS13	Gases Under Pressure	each	11.50
GHS14	Acute Toxicity	each	11.50
GHS15	Health Hazard	each	11.50
GHS16	Corrosive	each	11.50
GHS17	Chronic Health Hazard	each	11.50
GHS18	Environmental	each	11.50

100 X 100mm - 100 LABELS/ROLL

CODE	DESCRIPTION	UNIT	PRICE \$
GHS20	Explosive	each	14.70
GHS21	Flammable	each	14.70
GHS22	Oxidizing	each	14.70
GHS23	Gases Under Pressure	each	14.70
GHS24	Acute Toxicity	each	14.70
GHS25	Health Hazard	each	14.70
GHS26	Corrosive	each	14.70
GHS27	Chronic Health Hazard	each	14.70
GHS28	Environmental	each	14.70



BOTTLES - STULL DROPPING, WITH STULL CAP

CLEAR, POLYETHYLENE			
VOLUME	QTY	CODE	PRICE \$
125ml	pk/50	DB125S	54.00
50ml	pk/50	DB50S	48.00
Stull cap only, 125ml & 50ml	each	SC002	0.60
15ml	pk/10	DB1510	16.00
15ml	pk/50	DB1550	74.00



STULL DROPPING BOTTLE STORAGE TRAYS

FOR 6 BOTTLES		
MODEL	CODE	PRICE \$
50/125 ml	TSB506	16.00
FOR 12 BOTTLES		
50/125 ml	TSB5012	19.50



*Stull bottles not included



BOTTLES

DROPPING, SCREW CAP

CLEAR GLASS, WITH DROPPER		
VOL	CODE	PRICE \$
25ml	BS250	1.40
50ml	BS500	1.50
100ml	BS100	1.60
AMBER GLASS, WITH DROPPER		
25ml	BS250A	1.40
50ml	BS500A	1.50
100ml	BS100A	1.60
SPARE DROPPER, FOR DROPPING BOTTLE		
25ml	BS251	0.90
50ml	BS501	0.90
100ml	BS601	1.10

DABCO - UNITRAY

Ideal for storing dropping bottles.

TYPE	CODE	PRICE \$
With insert	DUN102	6.50
No insert	DUN103	5.00

Made in Australia

Made in Australia

ELECTRIC HEATING MANTLE



GE327701
\$240
for 100ml flask

GE327801
\$240
for 250ml flask

GE327901
\$250
for 500ml flask

GE328001
\$265
for 1000ml flask

SINGLE HOT PLATE

Portable stainless steel electric hotplate. Sealed single-plate design. Designed to meet Australian Standards.

- Power :1500W
- Stainless steel finish with diecast heating element
- Thermostat Control
- Automatic Safety Shut-off with Thermal Fuse
- Power Indicator Light

Plate : 185mm diameter
Overall : 460 x 260 x 65mm (L x W x H)



HP1

\$63

each

BEST SELLER

COPOLYMER PROTECTIVE BENCH MATS, 10/PKT

COLOUR CODE YOUR LAB!

These 1mm thick flexible bench mats are waterproof, heat resistant to approx. 150°C, chemically resistant to moderate concentrations of acids and alkalis, and very cut resistant.

*Available in green, blue or red. One colour only per pack. Please specify when ordering.

- 305mm x 370mm (H x W)



L115

\$42

10/pkt

GLASS WASTE BIN WITH LID AND LINER

Disposable. 47 litres. Ideal for school science labs for the safe waste collection of broken glass. This box is printed with broken glass warnings and hazard symbols to help reduce potential workplace injuries from broken glass being put in general waste. Delivered flat, is easily assembled with plastic liner and flip top lid that can be removed when full to seal down box for safe transport to recycling.

77 (H) x 32 (W) x 31 (D)cm



L421

\$22

each

L4211

\$99

pk/5

omega

L101W

\$670

each

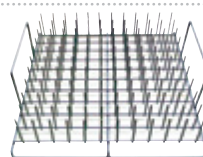


DISHWASHER - BENCH TOP

Compact design features the electronic control panel at the top of the door for easy selections. Comes with stainless steel interior.

Size: 44 x 55 x 50cm (L x W x H)

- Connect directly to your tap
- Large 6 place capacity (42 pieces)
- 6 wash program options
- Residual hot air drying
- Three-stage filtration cycle



CDCF6TT

\$295

each

DISHWASHER - TEST TUBE RACK

Holds up to 132 test tubes

TOP QUALITY

4091

\$520

each



SENIOR TROLLEY

- 1 x Senior Trolley
- 1032 x 508 x 960mm

3424

\$420

each



JUNIOR TROLLEY

- 1 x Junior Trolley
- 854 x 473 x 960mm

BENCH MATS

CEMENT SHEET

- Asbestos-free
- Washable

DIMENSIONS

Small : 300 x 300 x 5mm (W x H x D)

Big : 400 x 400 x 5mm (W x H x D)

BM300

\$10

300mm

BM400

\$15

400mm

MELAMINE-COATED

- Washable
- Easy Cleaning
- Unbreakable
- Non Scratch
- Non Absorbent

DIMENSIONS

Small : 300 x 300 x 15mm (W x H x D)

Big : 400 x 400 x 15mm (W x H x D)

MBM300

\$10

300mm

MBM400

\$15

400mm





INTRODUCING THE WORLD'S MOST
HIGHLY REGARDED GLASSWARE
SCHOTT DURAN®

SCHOTT DURAN® GLASSWARE 2020

- The complete range is now available from Haines Educational
- The following items will be in stock at exceptional prices

**CHECK OUT THE NEW
YOUTILITY BOTTLE RANGE**



SAVE!!

**BUY IN
PACK
LOTS &
SAVE!**



SCHOTT DURAN® Beaker
Low form with graduation and spout

NEW



SCHOTT DURAN®
Erlenmeyer flask
Narrow neck, with graduation

NEW



ITEM CODE	CAPACITY	UNITS	PRICE
D201	50ml	Each	\$8.60
D2011		10 / pkt	\$77.40
D202	100ml	Each	\$8.20
D2021		10 / pkt	\$73.80
D203	250ml	Each	\$8.60
D2031		10 / pkt	\$77.40
D204	500ml	Each	\$10.50
D2041		10 / pkt	\$94.50
D205	1000ml	Each	\$18.20
D2051		10 / pkt	\$164.00
D206	2000ml	Each	\$29.50



SCHOTT DURAN®
Erlenmeyer flask
Wide neck, with graduation

NEW



ITEM CODE	CAPACITY	UNITS	PRICE
D301	50ml	Each	\$8.70
D3011		10 / pkt	\$78.30
D302	100ml	Each	\$8.60
D3021		10 / pkt	\$77.40
D303	250ml	Each	\$9.20
D3031		10 / pkt	\$82.80
D304	500ml	Each	\$11.00
D3041		10 / pkt	\$99.00
D305	1000ml	Each	\$18.10
D3051		10 / pkt	\$162.90
D306	2000ml	Each	\$31.50
D3061		10 / pkt	\$283.50

ITEM CODE	CAPACITY	UNITS	PRICE
D101	25ml	Each	\$6.80
D1011		10 / pkt	\$59.50
D102	50ml	Each	\$7.10
D1021		10 / pkt	\$62.50
D103	100ml	Each	\$6.80
D1031		10 / pkt	\$59.50
D104	150ml	Each	\$6.80
D1041		10 / pkt	\$67.30
D105	250ml	Each	\$7.80
D1051		10 / pkt	\$67.50
D106	400ml	Each	\$8.60
D1061		10 / pkt	\$77.50
D107	600ml	Each	\$9.70
D1071		10 / pkt	\$86.30
D108	800ml	Each	\$13.90
D1081		10 / pkt	\$125.10
D109	1000ml	Each	\$15.90
D1091		10 / pkt	\$138.50
D110	2000ml	Each	\$29.30
D1101		10 / pkt	\$260.50
D111	3000ml	Each	\$46.50
D1111		4 / pkt	\$163.50
D112	5000ml	Each	\$85.10

A new generation lab bottle by Schott Duran®...

Specially shaped gripping zones on both sides of the bottle enable easier and safer handling.

The slimmer YOUTILITY bottle shape allows a more optimal use of limited space on benches, shelves and autoclaves.

With the new YOUTILITY bottle thread opening or closing the bottle is significantly faster. The thread is fully compatible with DIN GL 45 closures and other accessories.



SCHOTT DURAN® **YOUTILITY bottle, clear, graduated** **with cyan screw-cap and pouring ring (PP)**

NEW

ITEM CODE	CAPACITY	UNITS	PRICE
D601	125ml	Each	\$11.90
D6011		4 / pkt	\$39.40
D602	250ml	Each	\$11.50
D6021		4 / pkt	\$43.80
D603	500ml	Each	\$13.20
D6031		4 / pkt	\$49.80
D604	1000ml	Each	\$18.90
D6041		4 / pkt	\$68.10



SCHOTT DURAN® Laboratory **Bottle, clear, graduated** **with screw-cap and pouring ring (PP)**

NEW

ITEM CODE	CAPACITY	UNITS	PRICE
D401	50ml	Each	\$11.00
D4011		10 / pkt	\$95.00
D402	100ml	Each	\$9.80
D4021		10 / pkt	\$89.00
D403	250ml	Each	\$11.30
D4031		10 / pkt	\$99.50
D404	500ml	Each	\$12.50
D4041		10 / pkt	\$111.20
D405	1000ml	Each	\$18.20
D4051		10 / pkt	\$161.00
D406	2000ml	Each	\$36.50
D4061		10 / pkt	\$325.30
D407	5000ml	Each	\$215.80



SCHOTT DURAN® Laboratory **Glass Bottle, Amber** **with screw cap and pouring ring (PP)**

NEW

ITEM CODE	CAPACITY	UNITS	PRICE
D501	100ml	Each	\$54.50
D5011		10 / pkt	\$472.00
D502	250ml	Each	\$62.30
D5021		10 / pkt	\$536.20
D503	500ml	Each	\$67.30
D5031		10 / pkt	\$580.50
D504	1000ml	Each	\$87.80
D5041		10 / pkt	\$774.60
D505	2000ml	Each	\$126.00
D5051		10 / pkt	\$1084.60

SCHOTT DURAN® Spares

NEW

ITEM CODE	CAPACITY	UNITS	PRICE
LB525	Cap, lab bottle, blue, GL 45	Each	\$3.80
LB520	Pouring ring, blue, GL 45, pkt 10	10 / pkt	\$14.90

PHYSICS

MAGNETIC LINES OF FORCE DEMONSTRATION EXTRA LARGE MODEL

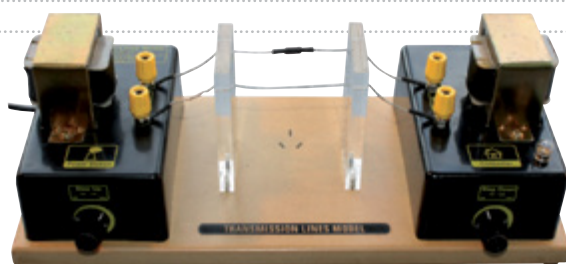
NEW

This two part unit is ideal for showing the lines of force surrounding both U shape and bar magnets. Made of strong polystyrene, the position of the many compass needles can be seen easily by the whole class. Easy to set up and store, it comes complete in a styrofoam case. Great for showcases!

Size: Bar magnet 17cm Ø, 20cm high. U Magnet 21cm high x 17 cm wide



P009
\$99
each



New Design

PO003
\$395
each

POWER LINES TRANSMISSION MODEL

Show safely and effectively why electricity is stepped up to 1,000s of volts when transported over large distances. Measure all currents and voltages in the power station, transmission lines and home. Compare the electricity loss (with step up) to the electricity loss (no step up). Includes teacher's notes and instructions.

NEW

BALLISTICS PENDULUM

A classic for your Physics lab!

The Ballistic Pendulum contains everything needed to measure the momentum of a projected object - the ballistic launcher, rigid arm pendulum, angle backdrop, steel ball, and release mechanism are all included. This unit can be used to aid in the understanding of momentum, velocity, conservation of momentum and energy, potential energy, and kinetic energy. Its sturdy construction and clear labels make it easy to use. Available in November 2020. Size: 50cm long.



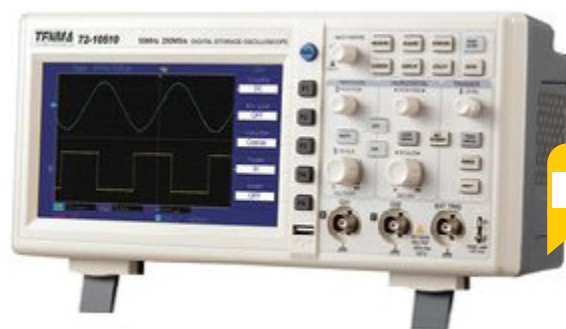
P531
\$195
each

CLASSROOM DIGITAL METERS

The most accurate, reliable and indestructible DC meters ever, the three models cover 0-20 x 10 mA, (LB2122-001), 0-2x 1mA, (LB 2122-010) and 20x 10mV (LB2123-001). Reversible polarity, large displays, auto off. Light and compact, able to withstand massive overload. A must for all senior schools.



CODE	DESCRIPTION	PRICE \$
LB2122-001	Ammeter, +/- 20A.DC, x10mA, AUTO PWR OFF	80
LB2122-010	Ammeter +/- 2A.DC, x 1 mA, AUTO PWR OFF	80
LB2123-001	Voltmeter +/- 20V.DC, x10mV, AUTO OFF	80



BEST
VALUE

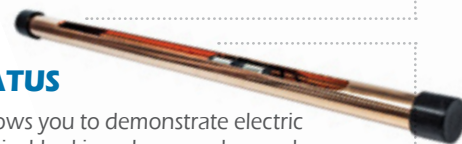
L10510
\$695
each

OSCILLOSCOPE, DIGITAL STORAGE, 25MHZ

This fully featured digital storage oscilloscope (DSO) is packed with features, including trace capture, PC interface, storage of data on portable media, on-screen menus, mathematical functions and a full 64k colour TFT. This DSO can also serve as a benchtop multimeter and frequency counter. Includes probes, software and USB cable.

LENZ LAW APPARATUS

The Lenz Law Apparatus allows you to demonstrate electric and magnetic forces. 2 identical-looking plugs are dropped through the copper pipe, but react very differently. As you watch them drop through the viewing window you will see 1 drop quickly and without resistance while the other moves slowly through the tube. Comes with a Teacher's Guide.



P35
\$38
each



HODSON LIGHT BOX

HODSON 12V, STANDARD KIT

The comprehensive kit of parts permits many experiments in basic optics and colour blending.



2060001
\$115
each

DYNAMIC TRACK, STAND AND RAMP

Complete with height adjustable support and run off ramp to bridge the gap between track and floor when required. Made of robust materials.

Specifications:
Ramp size: 30cm (W) x 120cm (L)
Maximum height: 65cm

PH003

\$155
each

EXTRA
LARGE



P132

\$295
per set



DEMOUNTABLE TRANSFORMER SET

Easily conduct activities to illustrate electromagnetism and induction with this set of dissectible coils and cores. Kit consists of a plastic base, a laminated iron core, mounting fixtures and six coils protected in a heat resistant film. Also useful in basic transformer experiments.

Coils : 200, 400, 600, 800, 1600, 3200

Includes comprehensive instructions and activity guide.



4880

\$39
set/500g

9 Masses x 50g
1 Hanger x 50g
Total = 500g



4980

\$70
set/1000g

9 Masses x 100g
1 Hanger x 100g
Total = 1000g

SLOTTED MASSES, STAINLESS STEEL

- High quality stainless steel
- Can not tarnish
- Exceptional weight stability
- Extra strong hook and weights
- Spare hangers & slotted weights available

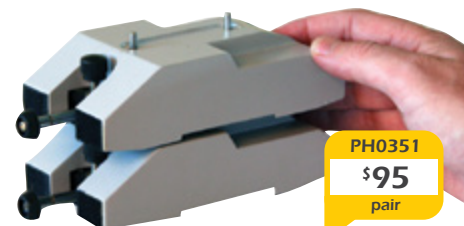
Best Value

DYNAMIC CART, METAL PERFECT FOR INCLINED PLANE & BENCHTOP EXPERIMENTS

- Modern and compact, designed with robust metal bodies and wheels
- Low friction wheel bearings with individual spring suspension

One end of the metal body carries an integral spring plunger/trigger system for explosion experiments, whilst the other end has a clamping screw for attaching ticker tape. Includes velcro pads for non elastic collisions and locating pins to permit secure stacking of trolleys.

Size: 150 x 78 x 50mm, 600g per cart



PH0351

\$95
pair

STACKABLE

IDEAL FOR THERMODYNAMIC STUDIES

LESLIE'S CUBE TIN

Tin plate box with 130mm sides. The vertical faces of the box are blackened, roughened, varnished and polished respectively. The top opening is fitted with a stopper with a hole for a thermometer (not supplied)

P411

\$55
per set



ICE MELTING PLATES

A great demonstration for conductivity and heat transfer. The melting plates display quizzical properties when an ice cube melts on each plate. The aluminum plate that is cold to the touch melts the ice faster than the plastic foam plate, even though both have equivalent temperatures.

- Includes instruction manual
- 1x each aluminum & foam plate (9 x 9 x 1cm)



P149

\$39
per set

EXPANSION OF LIQUIDS APPARATUS

For demonstrating the different thermal expansions of various liquids. Comprising five glass tubes in a frame and supported in a water trough. The frame has a special sliding arrangement with clips to hold glass bulbs with tubes.

The bulbs can be easily removed and fixed and have funnel formation on top for easy filling. Size: 29 x 14 x 38cm

P390

\$79
per set



FIRE SYRINGE DEMO

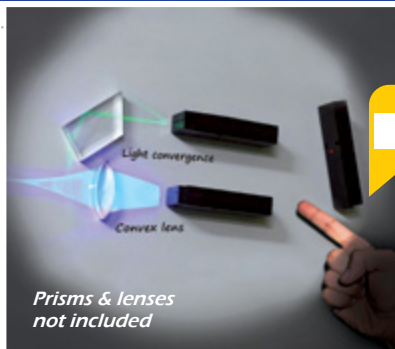
Safely demonstrate the principle of the Diesel engine ignition, where heat is produced when a gas is rapidly compressed. When the plunger in the transparent cylinder is rapidly pushed down over a piece of cotton or paper towel, ignition occurs.

Size: 22cm tall



P150

\$36
per set



P607

\$29
set/3

Set/3

P6075

\$130
bundle



LIGHT SOURCE COLOURED, SET/3

LEARN ABOUT THE PROPERTIES OF LIGHT

This set of 3 coloured lights (red, green blue) is a simple and effective way to explore light and optics. Attach to a whiteboard or use on a table. Battery operated (included). Notes and suggested experiments included.

Size: 20 x 35 x 20mm (per block)

Note: Prisms & lenses set (P576) recommended

MAXWELL'S WHEEL

NEW

Investigate conservation of mechanical energy and momentum with this intriguing device. The wheel is rolled to the top by means of strings wound on its axle. When released, its potential energy becomes kinetic, allowing it to roll back down. At the bottom, kinetic energy is converted into potential and the wheel rolls upward again. In an ideal world this would continue forever, but friction eventually sets in and the wheel will stop.

44 x 29cm



P023

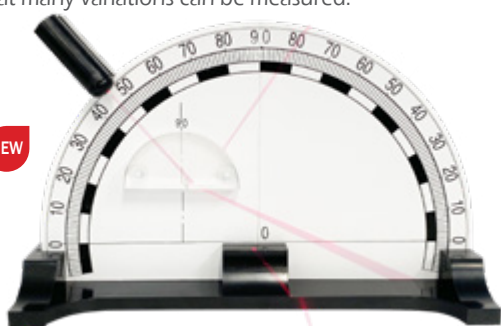
\$69
each

REFRACTION AND REFLECTION APPARATUS

The laws of refraction and reflection are easily demonstrated by this new portable apparatus. A vertical semicircular white enamel plate is marked in one degree intervals 0-90-0. A battery powered red LED is magnetically attached to the plate so that the beam passes through a semicircular clear plastic plate, also magnetically attached. The light can be moved across the top of the plate to show both the angles of reflection and refraction. The plastic plate may also be positioned so that many variations can be measured.

Assembled size:

27 x 17 x 10cm.



P005

\$49
each

NEW

PRISM & LENSES

SET/6, ACRYLIC, IN WOODEN CARRY CASE

Acrylic flat prisms, blocks and lenses in wooden carry case. Ideal for student use on desktop or bench. Excellent for use with light sources.



BEST
SELLER

P576

\$45
set/6

FORCE TABLE, ECONOMY

Demonstrate Newton's First Law and the vector nature of forces.

Durable, polymer tabletop with thick support & heavy cast base with levelling screws. Tabletop carries angle scale with 0.5° divisions, marked every 10° in both rotation directions.

- Includes 1 x tabletop, 4 x pulleys and 4 x 250g chrome-plated weights



FO0010

\$299
each

OHMS LAW DEMONSTRATOR

Demonstrate $V = IR$ • Lamps in series light up differently to those in parallel.



PH1029A

\$15
each

Series four, MES holders in row



PH1029B

\$15
each

Parallel four, MES holders in row

CONDUCTIVITY TESTER

Battery operated. Place the probes in liquids or against solids to test their conductivity. Cheap enough for class sets.

JUPCT

\$39
each



HAND DC GENERATOR

View the inner workings of the torch with the clear plastic housing. Mounted lamp on the end can be used as a flash light. Use binding post to connect outside electrical circuit.



PH1229HG
\$25
each

SWITCH BALL

Toss the ball in the air and watch the colors magically flip! These fascinating balls transform back and forth between two colors. Amazing!!! Colors may vary. Chemistry teachers – this is a great Activation Energy Demo. Physics teachers – this is a great tool to learn about force, motion, and other newton related topics!



P499
\$6.80
each

LIGHT GUIDE

An "S" shaped acrylic bar used to demonstrate total internal reflection. Length: 22cm



P0587
\$14.50
each

MINI HOVERCRAFT/AIR PUCK

Air pucks, the best way to demonstrate Newton's Three Laws of Motion!

Virtually frictionless, simple and versatile, this battery powered mini hovercraft/air puck will glide across surfaces, respond to applied forces, and allow measurement of velocity, acceleration, applied force and conservation of energy with a stopwatch or photo gates. Novel ideas including effects of rotation, inclines and air currents can be investigated.



G198
\$15
each

G198P
\$84
set/6

NEWTON'S CRADLE

Demonstrate the conservation of momentum and energy via a series of swinging spheres. When one on the end is lifted and released, it strikes the stationary spheres; a force is transmitted through the stationary spheres and pushes the last one upward.



YRSC417
\$32
each

ENERGY STICK

This item is a great introduction to the science of circuits and electricity! Conduct electrical energy through your students.

Make a human chain by holding hands then add the ENERGY STICK into the circle and watch it light up.



P325
\$14.80
each

LIQUIFLY WATER ROCKET, DELUXE

NEW IMPROVED DESIGN!

Use air and water to power the bottle rocket more than 100 feet into the atmosphere. Includes fins, two valves, 27cm rocket bottle, hose and pump.

G505
\$40
each

**LAUNCHES
±100 FEET!**



ELECTRIC EXPERIMENT CAR

ASSEMBLE THIS EXTREMELY FLEXIBLE EXPERIMENT CAR

Study energy conversion and motion. By changing the layout of the battery holders you can compare and test parallel and series connections.

A perforated board used as the car base body makes it easy to add parts. Also included is a bulb and propeller for further applications. Size: 160x75x50mm.

Requires 2x AA batteries, not included.



G812
\$15
each

G812P
\$75
set/6

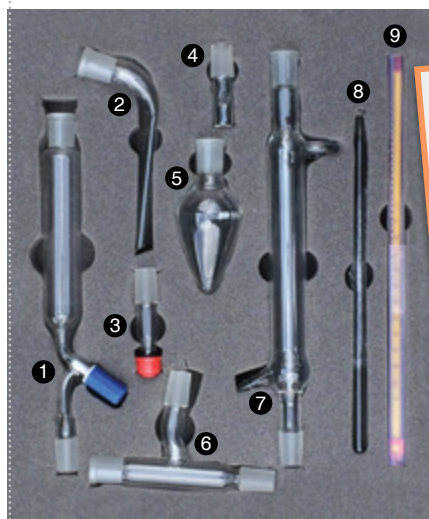


CHEMISTRY

ORDER FOR NOW, OR 2021 DELIVERY

EXPLORE. DISCOVER. INNOVATE.

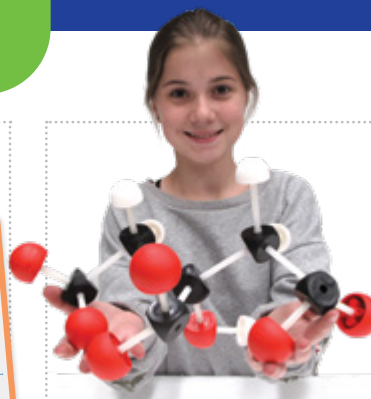
DISTILLATION, SET/9 PIECES



The 9 piece interchangeable glassware set enables students to perform organic chemistry experiments. Made of sturdy borosilicate glass, the set consists of interchangeable connections type 14/23 and 19/26 standard taper ground glass for easy assembly.

IG209
\$99.50
14/23 size

IG237
\$99.50
19/26 size



MOLECULAR CLASSROOM DEMO SET

SET/99, EXTRA LARGE

C200
\$165
set/99

ELEMENT	QTY	FACE	COLOUR
Hydrogen	40	1	White
Carbon	20	4	Black
	10	3	Black
	4	2	Black
Nitrogen	1	4	Blue
	3	3	Blue
	4	2	Blue
Oxygen	10	2	Red
	6	1	Red

ELEMENT	QTY	FACE	COLOUR
Chlorine	2	1	Green
Fluorine	2	1	Light Blue
Bromine	2	1	Brown

LINKS		
Double Bonds	16	65mm length
Turning Bonds	6	70mm length
Small Bonds	120	16mm length
Big Connector	48	65mm length

SPECTROMETER, ENGLISH PATTERN

For introducing students to principal type of spectra, determination of wavelength, frequency of emitted light and for quantitative spectrometric measurement of angle of prism, refractive index of the prism material etc. Comprised of a cast base with an integral fixed pillar for the collimator support and a swinging telescopic arm with a spring loaded vernier.

- Includes a magnifying eye glass and a tommy bar for axis adjustment but without prism or diffraction grating



338000
\$510
each

SENIOR ORGANIC / INORGANIC SET

SET/230



C190
\$155
set/230

ELEMENT	QTY	COLOUR
Metal	42	Grey
Oxygen	72	Red
Sulphur	12	Yellow
Nitrogen	15	Blue
Carbon	45	Black
Phosphorus	18	Purple
Hydrogen	36	White

LINKS		
Medium	170	Grey
Long Flex.	100	Grey

SENIOR ORGANIC SET

SET/66



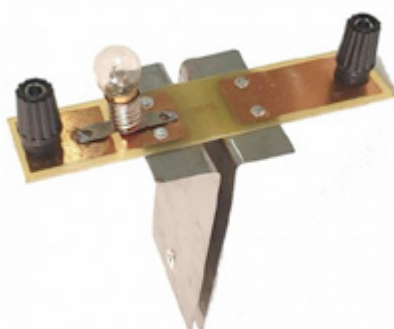
C195
\$44
set/66

ELEMENT	QTY	COLOUR
Carbon	20	Black
Oxygen	6	Red
Hydrogen	22	White
Nitrogen	2	Blue
Sulphur	2	Yellow
Phosphorus	1	Purple
Halogen Cl	6	Green
Halogen F	6	Green
Metal	1	Grey

LINKS		
Medium	28	Grey
Long Flex.	12	Grey
Short	30	White

CONDUCTIVITY DEMONSTRATOR

An apparatus allowing students to test the conductivity of various solutions



P025
\$19
each

PVT001

\$75
each

PVT SYRINGE

The PVT syringe can be used to quantify volume vs pressure and temperature vs pressure. Superior to the classical Boyle's Law syringe. Perfect for $PV=nRT$ investigations.



50200

\$59
per set

PERIODIC TABLE MAGNETIC CARDS

Features the first 20 elements of the Periodic Table to illustrate the core concepts of atomic theory as you sequentially build the table. Cards can be used to illustrate the following major concepts: Families and Periods, Atomic Number and Mass, Isotopes, and Electron Shells and Valency.

Size: 10.8 x 14.8cm

- Includes Elements 1-20 plus Hydride (H-), 14 additional elements (4 H, 3 O, 2 CL, 1F, 2 Na, 2 K), 3Mg Isotopes, and Au & Pb

SPECTROSCOPES

METAL-PRISMATIC

- For superior results
- Focus, adjustable slit, sharp lines

SPM001

\$89
each



PLASTIC

- Brilliant images
- With wavelength scale

3791001

\$40.50
each



CARDBOARD

- With diffraction grating
- Strong cardboard tube

F3093

\$11.60
each



STUDENT MINI VOLTAMETER

- Neat compact unit
- Easy to use student voltameter
- Includes electrodes

V2000

\$69
each



FTB001

\$28.50
set/10



FLAME TEST BOTTLE, 50ML QUANTAM CHEMISTRY

Show cation flame colours quickly. Spray low concentration of solution directly into flame. NO MESS! NO CONTAMINATION!

FLAME TEST BOTTLE RACK 10 PLACES

FTB002

\$18
each



S23A

\$1,460
each

DIGITAL SPECTROPHOTOMETER

Determination of chlorophyll, yeast and bacterial growth with this apparatus. Perfect for environmental studies with many applications.

- Quality digital multipurpose unit
- Includes: Teacher guide, manual, cuvettes



STUDENT COLORIMETER

For accurate determination of concentrations. Battery powered.

- Includes: Instructions and test tubes

CO0100

\$89
each

CO0101

\$110
each

**With digital
multimeter**



1003001

\$420
kit

DIGITAL COLOURIMETER

A sturdy unit for the measuring of concentrations of solutions. The LCD display can provide either 'Transmission' or 'Absorption' measurements.

- Internal red, yellow, green, and blue LED light sources with +/- 2% reproducibility.
- Operate on 9V battery (included) or standard 240/12V AC (not included)
- Includes instructions, 6x cuvettes, 4x test tubes

Extra large
& robust
Colour-coded
atoms

JUPITER MOLECULAR MODELS



C130

\$34

each

SODIUM CHLORIDE MODEL KIT



C135

\$34

each

GRAPHITE MODEL KIT

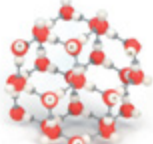


C140

\$34

each

DIAMOND MODEL KIT



C145

\$38

each

WATER MODEL KIT



C150

\$38

each

ZINC SULFIDE MODEL KIT



C160

\$38

each

FULLERENE MODEL KIT

KINETIC THEORY MODEL

Temperature versus volume of a gas.

The model's vibrating base excites the mini steel balls. As the power is increased – the energy of the balls increases and raises the foam block "ceiling" (simulating gas expansion). Great aid for demonstrating molecular motion of gases, kinetic theory, and the relationship between kinetic energy, temperature and volume. 28cm tall.



NEW

BEST
VALUE

PH001

\$99

each

SPECTRUM DISCHARGE

SPECTRUM DISCHARGE TUBE

To show spectral lines of pure substances. Glass tubes with central capillary portion of about 9-10cm long with electrodes sealed at both ends and connected to lead wires protected by metal caps.

Except for Neon and Helium, these can not be used as lamps. For intermittent use.

- There are 2 ways to run the spectrum tubes:
 - with a spectrum tube power supply (3785001); or
 - with a spectrum tube holder (SAB), induction coil (EM013301) and power supply (2633001).

DIMENSIONS

Overall length: 260mm (L)

CODE	DESCRIPTION	UNIT	PRICE \$
HL132601	Argon	each	36
HL133601	Carbon Dioxide	each	36
HL134601	Helium	each	36
HL135601	Hydrogen	each	36
HL136601	Krypton	each	36
HL137601	Mercury Vapour	each	36
HL138601	Neon	each	36
HL139601	Nitrogen	each	36
HL140601	Oxygen	each	36
HL141601	Sulphur	each	36
HL142601	Water Vapour	each	36
1052007	Spectrum Tubes Set (H, Hg, He, N, Ne, Ar)	set/6	195

FROM

\$36

each



SPECTRUM
DISCHARGE TUBE



3785001



SAB

SPECTRUM TUBE HOLDER, WITH TERMINALS

An apparatus to hold & clamp a spectrum tube. The height of the clamp can be adjusted to fit them length of the spectrum tube.

- External power source (eg, 2633001) and rumkoff coil (EM013301) needed. These items are not included.
- Base: 172 x 140 x 140mm (L x W x H)
- Rod: 1000mm (L)

SAB

\$79.80

set

SPECTRUM TUBE EHV POWER SUPPLY

Extra high voltage power supply 220/240V AC 50/60Hz fitted with a removable mains cable. (Spectrum tubes not included).

SAFE • COMPACT • EASY TO USE

- Includes 1x stainless steel rod, 1x clamp to hold the lamp
- Base: 172 x 140 x 140mm (L x W x H)
- Rod: 320mm (L)

3785001

\$315

each

**WATCH
A GARDEN
GROW**

NO SUNLIGHT
REQUIRED



MT108
\$12.60
per kit

MAGIC GARDEN

A cutout cardboard landscape of flowers, trees and mountains that becomes covered in colourful crystal blossoms when placed in the chemical provided. Add the magic liquid and watch your crystal garden grow 25cm. Includes:

- 1 x Plastic Tray
- Pieces to make a Cardboard Landscape
- Magic Liquid to make the Garden Grow



J930
\$17
per kit

CRYSTAL GROWING KIT

Crystals in nature can take thousands of years to grow, but you can create crystals in hours or just a few days with this crystal growing kit.

Grow your own sparkling crystal in the container provided.

Non toxic components.

KN3020
\$29
per kit

**FUN
CHEMISTRY**

DISCOVER THE
FUN OF SCIENTIFIC
EXPERIMENTATION



CHEMICAL CLOCK RUN A CLOCK WITHOUT BATTERIES

Use Fruit Juice, Cola, even Soy Sauce to Generate Electricity! Includes:

- 1 x Clock Module
- 2 x Electrode Separator
- 2 x Water Column w/ Lid
- 2 x Zinc Electrode
- 3 x Wire w/ Crocodile Clip
- 2 x Copper Electrode
- 1 x Instruction manual

NEWTONIAN PUTTY STUDY MOLECULAR STRUCTURE

One of the most interesting materials to study! Comes in a screw top tub for easy storage and to prevent it from drying out. Truly amazing and great for experimentation. Non-toxic components.



HB2115
\$16
each

**STRETCH!
SHAPE!
SNAP!
BOUNCE!**



LEMON CLOCK DISCOVER THE SCIENCE OF BATTERIES

Simply add your own lemon to turn this kit into an amazing lemon powered clock.

J938
\$11.50
per kit

SENSORY WATER BEADS

Watch coloured beads expand in water.

Pour beads into 1L of water, allow to soak for 6-8 hours and watch the beads grow into spongy balls. Comes in 10g pack of assorted colours and sizes. Non-toxic components.



G080
\$7
per pack

PLASTICS TEST KIT

Determine density, heat and flame resistance, flexibility and clarity. Suitable for up to 6 students.

- Includes 6x 5 types of plastics: PET, PVC, polypropylene, polystyrene, polyethylene
- Suggested experiment sheet included



G909
\$23.60
kit

SIMPLE VOLTAIC CELL

Large simple cell. Complete with zinc and copper plates. Ideal for class demonstrations.

150 (L) x 10cm Ø

P217
\$23
each

NEW



HAND BOILER

DEMONSTRATES CHARLES' LAW

Science experiment in the palm of your hand. Contains ethyl alcohol and boils from the heat of human touch and expands forcing it upwards through the loop in the glass. Made of glass.



G451
\$16
each

BIOLOGY

ORDER FOR NOW
OR 2021 DELIVERY

EXPLORE. DISCOVER. INNOVATE.

VCE(L)

\$295
each



VCE (L)

- Built-in LED illumination
- Widefield 10x eyepiece
- 3 objectives: 4x 10x & 40x
- 40x, 100x, 400x magnification
- Achromatic, parfocal & parcentered objectives
- Coarse & fine focus
- Iris diaphragm

DELUXE(L)

\$365
each



STEREO DELUXE (L)

- Incident & transmitted light
- Widefield 10x eyepiece
- 2 objectives: 2x, 4x
- 20x, 40x magnification
- Parfocal & parcentered objectives
- Rubber eyecups

VISION DISK

Students can measure field of vision, reading field, and peripheral vision using this unique device. Instructions included.



A5106

\$75
each

MAGNIFIER

Lens: 30mm Ø Triple,
Mag: 5x + 5x + 5x = 15x

M1017

\$7.40
each



LED HANDHELD MAGNIFIER WITH THREE LENSES

This versatile illuminated hand magnifier set includes three interchangeable lenses at magnifications of 2.5X, 5X, and 16X to suit a multitude of applications. Largest lens diameter of 11cm.



QM3519

\$22.70
set

ACCUPOT

Designed by Jean Stokes of St. Michael's Grammar, this accurate potometer makes measuring transpiration rates a breeze. Ideal for individual student use.

- Portable and sturdy
- Tube graduated from 0.01 to 0.1ml
- Instructions included



HPOT

\$119
each

AM0072

\$235
each



HUMAN HEART

4 PARTS, EXTRA LARGE

Model is cut by vertical line towards level of ventricular septum and separates into 2 parts after the arch of aorta and superior venacava have been removed. Mounted on base. Numbered with keycard.

Size: 33 x 23 x 33cm (H x W x D)

FINGER TIP PULSE OXIMETER

Compact, easy to use pulse oximeter. Obtain instant SPO₂, pulse and Pleth Wave readings with the high visibility four-way OLED double colour display.

- Auto power off after 5 sec
- Transmittable real-time data to computers

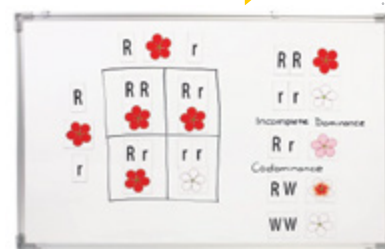


CMS50C

\$149
each

STICK TO SCIENCE PUNNET SQUARE

Teach the important genetic concept of Punnett Squares. These 56 magnetic cards have red, white, pink and red and white flowers to show three types of monohybrid crosses: complete dominance, incomplete dominance and codominance. Includes a detailed teacher's guide with sample questions.



NEW

\$180

\$42
each

SKELETONS

SK160
\$399
each

FULL SIZE: 160CM
S81
\$170
each

MEDIUM: 85CM
SK00046
\$25
each

SMALL: 45CM


SK160

S81

SK00046

PREHISTORIC HOMINID SKULL

NATURAL SIZE, SET/6

Review anatomical similarities.
Set consists of:

- Australopithecus afarensis
- Australopithecus africanus
- Homo erectus
- Homo sapien
- Homo habilis
- Homo neanderthalensis

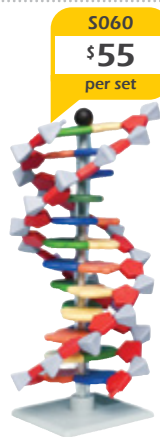

B127
\$450
set/6

DNA MOLECULE MODEL

This 12-layer model (one complete turn of the double helix) is designed for self-assembly. The model may be assembled on the stand for display, or laid flat for a demonstration of unzipping and replication. It is also possible to combine this DNA model with an RNA model to explain transcription and protein synthesis.

Size: 24cm (H)

- Includes colour-coded bases (G,C,A and T), deoxyribose and phosphate groups, as well as a display stand
- On sturdy base


S060
\$55
per set

B1707
\$350
set/27

ANIMAL KINGDOM SET

27 SPECIES, WITH CASE

Mimesis Whitered Leaf Butterfly : Bat : Mantis : Dragonfly : Butterfly : Centipede : Cockroach : Cicada : Tortoise : Dung Beetle : Cricket : Tadpole & Frog : Fish : Housefly : Ant : Ladybug : Honeybee : Crab : Conch : Starfish : Shrimp : Shell : Spider : Earthworm : Grasshopper : Chafer : Scorpion

GIANT MAGNETIC ANIMAL CELL

24 PARTS

Teach the internal structure of an animal cell, individual organelles and structures individually with this giant cell structures printed on raised foam magnets. Ideal for demonstration or student manipulation.

- Includes 4-piece animal cell, 14 dimensional organelles and Activity Guide
- Background information about each organelle and reproducible diagram

Dimensions (largest piece):
115 x 60 x 160mm (L x W x H)

L6035
\$39
per set


DELUXE ANIMAL CELL

ENLARGED 20,000X

Shows a detailed depiction of the animal cell and its structure. Includes the following organelles: nucleus, endoplasmatic reticulum, mitochondria, ribosomes, polysomes, and Golgi apparatus. Mounted on base with keycard.

Dimensions: 380 x 240 x 480cm


ZM2
\$179
per set

TYPICAL FLOWER DISSECTABLE

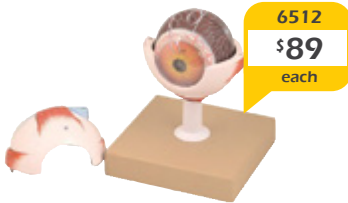
An enlarged idealised complete flower, teaching angiosperm pollination and fertilisation.

Dimensions: 370 x 250 x 310mm
(L x W x H)

B001
\$65
per set


BUDGET ANATOMICAL MODELS

- Made Of Fibre Reinforced Polyester Realistically Painted
- With Laminated Key Cards
- Ideal For Health & Safety Science / Open Days



6512
\$89
each

EYE

12 X 12 X 23CM, 6 PARTS, 5X
Sectioned horizontally and separates into upper half of the sclerotic membrane - 2, Retina with vitreous humour, lens, lower half of the sclerotic membrane. On base. Numbered with. English Key Card.



6516
\$89
each

EAR

25 X 18 X 15CM, 3 PARTS, 2X
Shows external, middle and internal portion. Ossicles and labyrinth can be taken out. On base. Numbered with English Key Card.



6511
\$95
each

BRAIN

19 X 15 X 15CM, 8 PARTS, HUMAN NATURAL SIZE
Separated into 8 parts and placed on diaphragm. Showing the temporal and occipital lobes, brain stem, cerebellum and the basilar artery. Model shows blood vessels all over on brain.



6523
\$85
each

SKIN

33 X 23 X 6CM, 70X, RAISED RELIEF
Shows section through three layers of the hair covered skin of the head. Also shows hair follicles with sebaceous, sweat glands, receptors, nerves and vessels. On base. Numbered with English Key Card.



6527
\$89
each

HEART

14 X 13 X 28CM, 4 PARTS, 2X
Model shows the auricles, ventricles, cardiac valves, large vessels and cardiac muscles, the upper section of the aoesophagus, the upper bronchi and the ascending aorta. Mounted on base. Numbered with English Key Card.

RAT DISSECTION

This model is used for anatomical study, depicts a full frontal dissection for viewing major internal organs. Mounted on base. Numbered with keycard.

Size:
610 x 300 x 50mm
(H x W x D)

ZM0032
\$129
per set



SOFT FOAM CROSS-SECTION MODELS

MAKE BIOLOGY FUN WITH "HANDS-ON" SQUASHY "CROSS SECTION MODELS"

Complete with activity guides
Each measure approx 13cm diameter

ANIMAL CELL

Teaching the parts of an animal cell

to your class is easy. The soft foam cell splits in half to show the key parts of an animal cell, including the nucleus, nucleolus, vacuole, centriole, cell membrane and more.

LER1900
\$29
each



PLANT CELL

This model of a plant cell splits in half to provide a cross-section view and make teaching the parts of a plant cell easy.

LER1901
\$29
each



**NO MORE
MESSY
DISSECTION!**

VT021
\$69
per set

SIMULATED FROG DISSECTION KIT

12 PARTS

Get as internal close-up of a frog without working on a real frog. Simulated dissection kit has removable, soft texture tissue that folds back to reveal a complete set of faux organs. A cross section shows intricate muscle structure.

Size: 320 x 340 x 115mm (L x W x H)

- Includes X-ray film, dissecting tray, child-safe tools (scalpel, tweezers and prod), and magnifying glass



L1108

\$20
each



TECH TRAY

Polypropylene laboratory/dissecting tray. Comes with mat. Hygienic and stackable.

Note: Pictured labware not included

BEST
SELLER

L117

\$29.50
set/12

**SPARE MATS,
SET/12**



TEST STRIPS

CODE	DESCRIPTION	UNIT	PRICE \$
IS129-50S	Urine Test strips (Glucose 0-3000mg/dL)	pk/50	49.3
IS130-50S	Urine Multi-Test strips (Glucose, Protein, pH & Ketones)	pk/50	110
IS151-40S	Glucose test strips (0-0.1-0.25-0.5-2%)	pk/40	54
813340	Control (taste test)	vial/100	6.60
813330	Sodium Benzoate (taste test)	vial/100	6.60
813335	Thiourea (taste test)	vial/100	7.00
813325	Ptc (taste test)	vial/100	6.60

GLO210

\$169
per kit

GLO GERM CLASSROOM KIT

Teach importance of Hand Washing. Glo Germ consists of a lotion and powder which glows brightly when exposed to ultraviolet light.

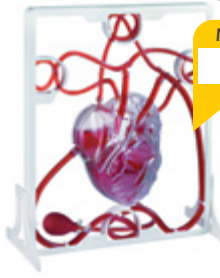
- 1x 240ml Glo Germ lotion
- 1x 120ml powder
- 1x battery operated UV light
- Instruction manual



GLO220

\$85
each

REFILL LOTION, 240ml



MK019

\$42
each

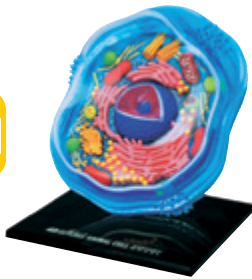
PUMPING HEART

4-CHAMBER WORKING MODEL

A 3D working plastic heart model with clear chambers on a display stand. Squeeze bulb pump simulated blood through clear heart chambers just like real one.

Size: 140 x 140 x 175mm

- Includes instruction manual



E101

\$39
each

ANIMAL CELL ANATOMY

Teach the internal structure of an animal cell, individual organelles and structures individually.

- 150mm high with 24 detachable parts
- Detailed illustrated guide & info



E102

\$39
each

PLANT CELL ANATOMY

Teach the internal structure of a plant cell, individual organelles and structures individually and see how they work

- 160mm high with 24 detachable parts
- Detailed illustrated guide & info



QUADRAT

- 50 X 50cm with 10cm squares
- Stainless Steel, PVC coating

B118

\$36.50
each

HUGE HANDS FREE MAGNIFIER

2X MAGNIFICATION

Foldable for safe and easy storage. Bottom frame is ruled to 10cm for measuring objects to be viewed

Excellent optics. Perfect for plastomounts, life specimens, semi permanent displays.

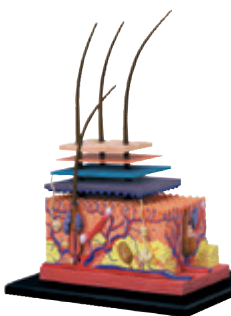
QM3505

\$18.60
each



**ANATOMY MODELS
ONLY AVAILABLE
AT HAINES!**

- Detailed models
- Detachable parts
- On display stand



E100

~~WAS \$39~~
NOW \$29
each

SKIN

Learn about the largest organ in your body. Comes with removable hair and skin layers with extra acne parts.

- 180mm high with 19 detachable parts
- Detailed illustrated guide & info



E103

~~WAS \$39~~
NOW \$29
each

DELUXE HEART

Learn about the organ that pumps blood to your entire body! Covers the Aortic, Arch, Superior Vena Cava and more.

- 125mm high with 31 detachable parts
- Detailed illustrated guide & info

GARDEN/SOIL TEST METER

THE ULTIMATE PLANT CARE / SOIL METER

The 3-in-1 marvel measures pH, light and moisture of your soil at the same time. No battery required. Instructions included.

- Moisture range: 1-10
- PH range: 3.5 - 8.0
- Light range: 0-2,000 LUX

GE333501

\$20
each



SNAPSHOT SPECIALS

PROJECTILE LAUNCHER

Durable and unbreakable. Spring loaded gun-type launcher allows you to shoot the metal balls from horizontal to 90°.

- Aluminium construction with hardened steel latches
- Includes assembled spring loaded gun, two balls of aluminium, protractor, plumb bob and operating instructions

PH100
\$89
LAUNCHER

SPARE PAIR OF METAL BALLS

BALLSET
\$7.50
pair

DIGITAL STOPWATCH

HEAVY DUTY

- 0.01 sec timing, up to 30min
- 6 digits LED display
- Runs on 1 x AA Battery

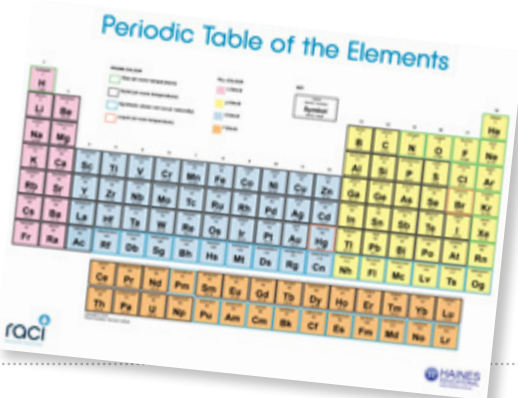
**BEST
SELLER**
XC0270
\$11.50
each

PERIODIC TABLE CHART, RACI

RACI, in conjunction with Haines Educational, are pleased to announce the arrival of the new periodic table.

This is the latest, totally up-to-date version, with all elements named and given their appropriate values. Made for use by all Senior Schools, this fully colour coded table is suitable for wall mounting.

Made from laminated heavy duty card, it is capable of being rolled up for storage without damage. Size 120 x 85cm.

raci
NEW
C982
\$59
each

**BEST
SELLER**
G925
\$38
each

CONDUCTIVITY SET

Consists of 12 various material strips screwed onto a plate. Test their conductivity easily. No more missing samples or strips!

SINGLE HOT PLATE

Portable stainless steel electric hotplate. Sealed single-plate design. Designed to meet Australian Standards.

- Power : 1500W
- Stainless steel finish with diecast heating element
- Thermostat Control
- Automatic Safety Shut-off with Thermal Fuse
- Power Indicator Light

Plate : 185mm diameter

Overall : 460 x 260 x 65mm (L x W x H)

HP1
\$63
each
**BEST
SELLER**


RADIATION CANS, SET OF 3

Not all colours are created equal. Investigate how colour can influence absorbing and radiating energy. The cans are finished with black, white, and silver exteriors, so students can easily determine the effect of surface colour on heat transfer. Set of three 500mL cans with stoppers to accommodate thermometer. Supplied without thermometer.

**BEST
SELLER**
P927
\$28.60
each


TEST TUBE RACK, WOODEN, 6 HOLES/6 PEGS, 6 X 27MM HOLES

Test Tube Rack, wooden, 6 holes/6 pegs, 6 x 27mm holes. Suitable for 25mm test tubes.

L1253
\$18
each




T392
\$285
each

**ESPECIALLY
FOR SCHOOLS
BY TESEP**

TESEP ROCK KIT

NEW

A curriculum essential!

A safe, large 29pc rock set especially designed for Australian schools as part of the Teacher Earth Science Education Programme (TESEP). Includes one free registration to a TESEP professional development workshop. One of the best rock kits available anywhere in the world and assembled by a dedicated team of TESEP geoscientists. Purchase this set of 10 igneous, 9 metamorphic and 10 sedimentary rocks that are all:

- Large palm sized samples so key features can be studied
- Completely safe, free from asbestos, asbestos-like minerals and other toxic materials. Each rock sample has been inspected by TESEP geoscientists
- Guaranteed to be what we say they are
- Labelled with numbers with a list to ensure you always know which is which
- Nicely boxed, one box for each rock type (igneous, metamorphic, sedimentary)
- Free from distracting secondary minerals and other features not relevant to Australian year 8-9 students
- Collected from reliable sources for ease of replacement if lost or damaged beyond use

In addition, by registering for a free PD session (valid for one person), you will have access to:

- Stories about each rock, where they come from and how they formed
- Question and Answer materials to support student inquiry
- Extension materials including:
 - o Virtual 3D versions online
 - o Virtual thin sections to see what they are like on the inside

Register for your free PD session at www.tesep.org.au

Dimensions:

350mm x 270mm x 100mm (W x D x H) each of 3 boxes



DIGITAL BENCH BALANCE

1000 X 0.01G

This precision 1000 x 0.01g balance comes supplied with a wind shield and a built-in bubble level to provide maximum accuracy. Powered by 4 x AA batteries (not included) or mains adaptor (included).

- Auto power-off after 60 sec
- Automatic calibration
- Backlit LCD
- Tare and counting function
- Mains powered

Dimensions
75 x 175 x 260mm (H x W x D)



BEST SELLER BEST VALUE SPECIAL \$

QM7264
\$175
each

WATER FILTRATION KIT

This kit introduces how water gets cleaned by building a simple filtration system.

Includes:

- 1 x Water Filtration Kit
- 3 x 65g Gravel
- 3 x 65g Sand
- 3 x 90g Active Carbon
- 12 x 60mm Filter Paper
- 1 x 50ml Measuring Cup
- 1 x Safety Goggles

G055
\$45
kit



POLITICAL GLOBE

2-piece construction swivel globe with sturdy base.

Dimensions: 280mm Ø



SPECIAL PRICE

GE007
~~\$44~~
each

GE007
\$32
each

made in AUSTRALIA

AC/DC POWER PACK

BEST SELLER

2-12V / 5 AMPS

The IEC Power Supply is a compact, general purpose power supply to provide switched AC and DC voltages at 2, 4, 6, 8, 10 and 12V. AC and DC at about 5 to 6A. The DC output is full wave rectified but not filtered. Made in Australia.

- Genuine & safe
- Switchable

2633001
\$135
each

