



HAINES
EDUCATIONAL

TERM ONE

SNAPSHOT SPECIALS

Welcome to 2024! Included in this edition is a selection of our essentials to kickstart the year

ISSUE 1 - VOLUME 6 - 2024

PLEASE FORWARD TO THE SCIENCE COORDINATOR

ADAM LUNA PRECISION BALANCE, 820 X 0.001G, EXTERNAL CALIBRATION

Luna precision balances deliver a combination of durability, performance and elegance. The stylish LCD shows results in 24mm white digits on a contrasting black background for enhanced visibility.

This special price is available only while stocks last



LPB823e
WAS \$2,377
NOW \$1,199
each

SPECIAL OFFER

LABORATORY COATS

Top quality, cotton polyester, press button studs. Available in white and navy blue.

White

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

Navy Blue

XX-Small	LCNXXSB
X-Small	LCNXSB
Small	LCNSB
Medium	LCNMB
Large	LCNLB
X-Large	LCNXLB
XX-Large	LCNXXLB

BLUE

WAS \$29
NOW \$25⁵⁰
each

WHITE

WAS \$27⁵⁰
NOW \$25⁵⁰
each

NO MINIMUM QUANTITIES!



MICROSCOPE, DIGITAL WITH SCREEN, 1200X

This digital microscope with up to 1200X zoom enables you to inspect and get a close-up view of your biological-related object.

G537
\$299
each



POWER SUPPLY

For banana plugs and alligator clips, with front mounted on/off switch, overload trip. Output Range/Max : 2-12V AC, 2-12V DC/5A

BEST SELLER
BEST VALUE

2633001
WAS \$210
NOW \$189
each



BIODEGRADABLE NITRILE GLOVES, 200/PACK

Made from synthetic rubber these eco friendly gloves offer the ultimate hand and environmental protection.

SIZE	DESCRIPTION	UNIT	PRICE \$
BNGS	Small Nitrile	box/200	19.00
BNGM	Medium Nitrile	box/200	19.00
BNGL	Large Nitrile	box/200	19.00



ALL SIZES
\$19
box

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
\$26⁹⁰
each



OMEGA DISHWASHER WITH TEST TUBE RACK

The dishwasher's compact design features the electronic control panel at the top of the door for easy selections. Comes with stainless steel interior and multiple hoses.

L101CDF
\$1050
each

IDEAL FOR CLASSROOM SETTINGS



FUN FLY STICK

An ingenious portable Van de Graaff electrostatic wand, the Fun Fly Stick is a must have that is as easy to demonstrate as it is fun. Requires 2 AA batteries (not included).

BEST SELLER

G3584
\$18
each



Prices do not include GST



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Visit our website www.haines.com.au

SOLAR ECO-HOUSE KIT

Construct a solar house and perform 10 experiments with this all-inclusive educational kit! This fascinating kit will ensure you find the answer to those key questions around solar energy. Find the answers to these questions and more with this easy to assemble solar house.



SFY-91635
\$38
each

3 LAMP BOARD, PARALLEL & SERIES

Discover more about circuitry with this three lamp board. It includes both parallel and series circuits which can demonstrate the transfer of electricity in different orientations. The three mini receptacles are mounted on a clear acrylic base, and buss bars connecting the receptacles allow for quick changing from parallel to series and many combinations of the two.



7-1200-1
\$22
each

5 LAMP BOARD, PARALLEL & SERIES

An easily convertible five lamp board with both parallel and series circuits.



7-1200-14
\$28
each

RADIATION CANS, SET/3

Investigate how colour can influence absorbing and radiating energy. This set of three 500mL metal cans are finished with black, white, and silver exteriors, so students can easily determine the effect of surface colour on heat transfer. Stoppers accommodate a thermometer (not included).

P927
\$32⁵⁰
set



ELECTRODE SET, 75 X 25 X 3MM

Set of 5 electrodes with 4mm terminal plugs. Each electrode is 75mm x 25mm and 3mm thick. The set contains one each of: copper, iron, lead, carbon and aluminium).

CD4028
\$38
set



LARGE DNA MODEL

A super-sized plastic DNA model, pre-assembled and built to a scale of 10cm to 1nm. Stands over 60cm tall!



B02018
\$135⁸⁰
each



ELECTRIC 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. A bulb and propeller is included for further applications. Batteries not included.



G812
\$19⁹⁰
each

TEST TUBE, GRADUATED, GLASS, 150 X 18MM, PK/50

Graduated test tubes, 3.3 borosilicate glass, with rim. Sold as a pack of 50.

123207G
\$59⁴⁰
pk/50

TEST TUBE, GRADUATED, GLASS, 150 X 24MM, PK/50

Graduated test tubes, 3.3 borosilicate glass, with rim. Sold as a pack of 50.

123212G
\$97⁸⁰
pk/50



WATER FILTRATION KIT

Water goes on quite a journey to reach our taps, safe and ready to drink. One of the many important steps in the process is filtration, which uses layers to containments out of the water. The kit introduces how water gets cleaned by building a simple filtration system and more.

G055
WAS \$45
NOW **\$35**
each



Prices do not include GST



HAINES
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SPECTROSCOPE WITH GRADUATED SCALE

Plastic Rectangular, direct vision student spectroscope, fitted with a high efficiency grating in the eyepiece which produces a brilliant spectrum even in poor light.



P5980
\$42⁵⁰
each

PROJECTILE LAUNCHER

Durable and unbreakable. Spring loaded gun-type launcher allows you to shoot the metal balls from horizontal to 90°. Includes assembled spring loaded gun, two balls of aluminium, protractor, plumb bob and operating instructions.

PH100
\$99
each



CHEM BIT - PHOTOCROMIC POWDER

Become a UV detective with our photochromic powder, which detects ultraviolet rays from the sun! This special photon detecting powder changes colour when exposed to UV light.

NEW
US2610
\$10
each



SLINKY SPRING, 80X80MM

Generations of children have been both entertained and educated by slinky springs just like this one! Watch as it walks down stairs, 'bounces' back and forth between your hands and appears to defy gravity when dropped to the ground.

MAS-01923
\$26⁵⁰
each



CHEM BIT - DISAPPEARING INK

Explore the magic of chemical reactions with this disappearing ink party trick. Once exposed to the air, the blue indicator turns colourless as it reacts with carbon dioxide. You can then make it reappear.

NEW
US1780
\$10
each



MULTIMETER DIGITAL

This is a full featured meter with plug-in 4mm probes AND transistor tester. This is the ideal first multimeter, and will give years of faithful service, in fact, you will only need to replace this meter if you require a unit with very high input impedance.

QM1500
\$17⁸⁰
each



GARDEN/SOIL TESTER, 3-IN-1

The 3-in-1 marvel that lets you measure pH, light, moisture at the same time. No battery required and easy to measure moisture value of soil, plants, garden, vegetables, trees and more.

44102
\$22⁹⁰
each



SNAP CIRCUITS 750 EDUCATIONAL VERSION

A quality Educational version of the monster Snap Circuits Extreme 750 Experiments Kit. It's a comprehensive, in-depth exploration of the components and experiments in the SC-750, with no "electronic" stone left un-turned.

SC-750R
\$475
each



NEWTON'S FAN

The Newton Fan may be used in conjunction with most dynamic carts or trolleys to not only verify Newton's Second Law (that the net force acting on a body is directly proportional to the mass of the body multiplied by its acceleration), but to also confirm that the law still applies when the mass or the propulsion force of the cart is varied.

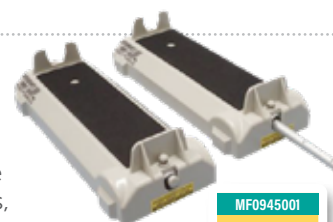
JUPNF
\$99
each



DYNAMICS CART

The IEC 'Dynamics Carts' are the best in the business and they last many years. They have inboard wheels to avoid tangles, they are the strongest and are most rigid, they offer the least rolling friction and are safer than others.

MF0945001
\$175
each



Prices do not include GST



HAINES
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Visit our website www.haines.com.au

SINGLE HOT PLATE

BEST
SELLER

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

\$63⁵⁰
each

LOOP THE LOOP

Demonstrate the transformation of potential into kinetic energy (centripetal acceleration).

A V-shaped metal track in the shape of a loop is fitted on a wooden base. Longer end of the loop stands at an angle to the base. A steel ball (19mm diameter, included) let loose at upper end of the loop transverses the track at a fast speed without falling, while climbing the upper track of the loop upside down. For the whole class to see - large size, stands 50cm high.



PH054

\$69⁹⁰
each

SPRING SET OF 5

Demonstrate Hooke's Law with this set of 5 springs. Each spring has an eye at one end and a hook at the other, with a built in pointer to accurately record the results of your experiments.



ZL009

\$28⁵⁰
each

POWER MICROPHONE

The power microphone has been specifically designed for providing powerful signals in an easy and quick manner to your oscilloscope (BNC plug. Connects directly to a Digital Storage or Cathode Ray Oscilloscope.



JUPPM

\$59⁸⁰
each

'OSCILLOSCOPE, DIGITAL STORAGE

2 Channel; Bandwidth:25MHz;
Sampling Rate:
250MSPS; Display
Memory Depth:25
kpts; Calculated Rise
Time:14ns; Scope
Display Type:WQVGA
LCD Colour



LI0510

\$695
each

GYROSCOPE, ORIGINAL TEDCO

Gyroscopic forces have amazed mankind for hundreds of years. Now these amazing forces are yours with this great value gyroscope. You can perform feats that seem to defy gravity. Your original TEDCO gyroscope will spin on its pedestal... dance on a string tightrope... balance perfectly on the lip of a drinking glass. Discover the secret and make your gyroscope do these and other astounding tricks. Complete instructions, pedestal and string inside.



6

\$23
each

LIGHT SOURCE COLOURED, BUNDLE PACK (LIGHT SOURCES SET + PRISM/LENSES)

This set of 3 coloured lights (red, green blue) is a simple and effective way to explore light and optics. Enables students to perform and comprehend some of the properties of light. Attaches to a whiteboard or use on a table. Batteries and suggested experiments included.



P6079

\$75⁹⁰
each

HEAT ABSORPTION COMPARATOR

A great little device cleverly designed to demonstrate heat absorption and radiation. Use 12 V to activate the globe (supplied) and tabulate and graph the results.



HAC002

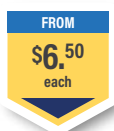
\$85
each

Prices do not include GST

LAB BOTTLE, GLASS, SCREW CAP

These transparent glass reagent bottles with screw-top lids are sure to keep your mixtures safe. Made from quality Borosilicate 3.3 Glass which resists chemical corrosion, and is resistant to sudden temperature changes.

CODE	VOLUME	UNIT	PRICE
RBSC50	50ml	each	6.90
RBSC100	100ml	each	6.50
RBSC250	250ml	each	6.90
RBSC500	500ml	each	9.80
RBSC1000	1000ml	each	12.90
RBSC2000	2000ml	each	28.10



REAGENT BOTTLE, AMBER GLASS, SCREW CAP

CODE	VOLUME	UNIT	PRICE
RBSC100A	100ml	each	6.20
RBSC250A	250ml	each	9.50
RBSC500A	500ml	each	13.80
RBSC1000A	1000ml	each	18.50



DROPPING BOTTLE, GLASS, CLEAR, POLYSTOPPER

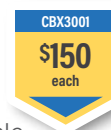
Clear glass dropping bottle with a ground in glass dropper and PVC teat. Made from tough Borosilicate 3.3 Glass which resists corrosive chemicals. Available in a range of sizes.

30ml	60ml	125ml
B0290	B0295	B0300
\$5 ⁶⁰ each	\$6 ¹⁰ each	\$8 ⁵⁰ each



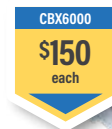
ADAM ELECTRONIC BALANCE 3000 X 0.5G

Portable and durable balance, 3000g x 0.5g. With rechargeable battery and AC power and a large 15cm pan makes it ideal for educational settings.



ADAM ELECTRONIC BALANCE 6000 X 1G

Portable and durable balance, 6000g x 1g. With rechargeable battery and AC power and a large 15cm pan makes it ideal for educational settings.



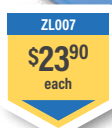
ADAM ELECTRONIC / BALANCE 1200 X 0.1G

Portable and durable balance, 1200g x 0.1g. With rechargeable battery and AC power and a large 15cm pan makes it ideal for educational settings.



PLASTIC LABORATORY TRAY

Multipurpose laboratory trays are suitable for a range of applications, including washing, sterilizing, and drying glassware and other laboratory instruments. Moulded from heavy duty plastic and resistant to most chemicals.



MICROSCOPE, SENIOR, BINOCULAR

An ideal senior microscope. Durable and ideal for student use. 40 to 1000 x magnification, mechanical stage, achromatic, parfocal & parcentered objectives, variable halogen light intensity, iris diaphragm, abbe condenser, binocular head, 4 objectives: 4x, 10x, 40x, 100x, extra large body and 3 years warranty.



MICROSCOPE, SENIOR, MONOCULAR

40 to 1000 x magnification, mechanical stage, achromatic, parfocal & parcentered objectives, variable light intensity, binocular head, 4 objectives, extra large body.



Prices do not include GST



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SQUARE REAGENT PLASTIC BOTTLES

Suitable for all kinds of liquid storage. Translucent, rigid and excellent contact clarity. The square shaped bottle allows for more compact storage and stacking.

REAGENT BOTTLE, SQUARE, NARROW MOUTH

Narrow mouth, square shaped reagent bottles made from durable HDPE with a screw cap.

CODE	VOLUME	UNIT	PRICE
3200030	30ml	each	2.00
3200100	100ml	each	2.90
3200250	250ml	each	5.20
3200500	500ml	each	8.50
3201000	1000ml	each	11.90



REAGENT BOTTLE, SQUARE, WIDE MOUTH

Made from polypropylene

CODE	VOLUME	UNIT	PRICE
432060	60ml	each	2.80
432125	125ml	each	3.20
432250	250ml	each	5.20
432500	500ml	each	8.40
431000	1000ml	each	11.60



STORAGE BOTTLE, PLASTIC

Made of HDPE and suitable for all kinds of liquid storage. Tamper evident leak proof cap.

SQUARE HDPE, SCREW CAP, WHITE PLASTIC, BLUE CAP

CODE	VOLUME	UNIT	PRICE
783180	180ml	each	4.55
783500	500ml	each	6.50
783250	250ml	each	5.50
783900	900ml	each	7.20
7831200	1200ml	each	7.90



WASH BOTTLE, BLANK LABEL

Chemical wash bottle with blank labels, 500ml capacity.

WASH BOTTLE, DISTILLED WATER

Each empty wash bottle is labeled for Distilled Water and features chemical information as well as hazard and safety information.



JERRY CAN, HDPE, WITH LID

Ideal for all your solutions. Rectangular shape means easy and efficient storage.



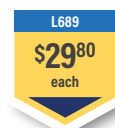
POWDER FUNNEL, POLYPROPYLENE

Features a large bore, ideal for use with powder, large particles and viscous liquids. External ribbing is moulded into the funnel to prevent air lock.



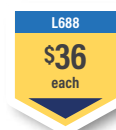
FUNNEL STAND, SINGLE, WOODEN

This polished wooden funnel stand comes with clamping screws for adjusting the height. Size: 49(L) x 12.5(W) x 2.5(H) cm. Base: 20(L) x 11(W)cm beakers or other vessels. Sold individually.



FUNNEL STAND, WOODEN, DOUBLE

This double polished wooden funnel stand comes with clamping screws for adjusting the height. Size: 49(L) x 12.5(W) x 5(H)



STIRRER/HOT PLATE



2090001

\$540
each

A general purpose laboratory magnetic stirrer & hot plate with 'Simmerstat' temperature control and high temperature alloy plate for even plate temperature. Comes with plain or PTFE-coated hot plate.



OVEN, 14.5 LITRE, 30°C-150°C 600W, DIGITAL CONTROL WITH FAN

Oven, for student use, with electronic digital control to 150°C. More control than the 2250001 student convection oven. Stainless steel interior, type 316 for non-corrosion, 250x250x250mm internal dimensions.

Fan forced convection oven with digital control and accuracy of approx. $\pm 1^\circ\text{C}$ (Typical at 100°C) to $\pm 1.5^\circ\text{C}$ (Typical at 150°C). Insulated front door with simple catch and with 3 shelves adjustable for height.



made in AUSTRALIA

2251001

\$1,496
each

SAFETY GLASSES, LABPRO

Vented side arms. Large hard polycarbonate lens & arms. Hard scratch resistant coated



359SC

\$5⁹⁰
each

900070

\$4⁵⁰
each

SAFETY GLASSES, ARC VISION

Made from hard coated polycarbonate lens and UV treated.

SAFETY GLASSES RACK

Stores and dispenses safety glasses easily. Delivered 'flat packed', requires assembly. Australian made.

SGR001

\$116⁸⁰
each



HOTPLATE, DUAL

Portable Stainless Steel Electric cooktop hotplate. Designed to meet Australian Standards. 2250 watts of cooking power, thermostat control, 18.5cm & 15cm hotplates, power indicator light, automatic safety shut-off with thermal fuse.



HP2

\$89⁷⁰
each

MULTI-TEST METER

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

QM1594

\$179⁹⁰
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

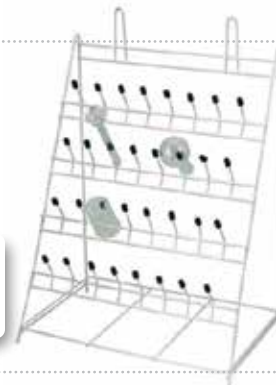
ELITEPCTS

\$475
each



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.



DR10

\$135
each

DIGITAL BENCH BALANCE

BEST SELLER

BEST VALUE

SPECIAL SS

This precision 1000 x 0.01g balance comes supplied with a wind shield and a built-in bubble level to provide maximum accuracy. Requires 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

\$195
each

DISINFECTANT SURFACE WIPES

A gentle, handy and convenient cleaning wipe that is great for everyday use. Kills 99.9% of bacteria. 280 sheets in a tub.

W175

\$48³⁰
each



BUNSEN BURNER

STANDARD LPG OR NATURAL GAS

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

BEST
SELLER



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
\$42⁵⁰
each

86957



811335
\$26⁵⁰
each

811335



G1903GP
\$42¹⁰
each

G1903GP

GAUZE MATS



Wire, galvanised, 15cm square, plain

50201
\$24⁹⁰
pk/10



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

502101
\$29
pk/10

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. No mess! No contamination!



FTB001
\$28⁵⁰
pk/10

FTB003
\$22⁵⁰
pk/10



BURETTE CLAMP, ALLOY, SINGLE

Clamp, burette, alloy, single "Fisher" type



MA1393
\$21⁵⁰
each

BURETTE CLAMP, ALLOY, DOUBLE

Clamp, burette, alloy, double "Fisher" type



845162
\$26⁵⁰
each

DIGITAL STOPWATCH HEAVY DUTY

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

BEST
SELLER

XC0270
\$14⁹⁰
each



STOPWATCH / COMPASS TRAY

Holds stopwatches, map readers and compasses, 15 slots, easy storage

made in
AUSTRALIA

SWT001
\$59⁸⁰
each



WATER BATH - 14L

This water bath is designed to rest on and be heated by an IEC Hot Plate or Hot Plate/Stirrer (not included). Heating may be accomplished by manual stirring or by using a magnetic spin bar in conjunction with a magnetic stirrer/hotplate. Contact us for IEC hot plate/stirrer or thermometer.

- Stainless steel 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

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



CH4240-001
\$253
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
\$189
each





FROM
\$2³⁰
each

BOTTLES DROPPING, SCREW CAP

Clear glass, with dropper

CODE	VOLUME	UNIT	PRICE
BS250	25ml	each	2.30
BS500	50ml	each	2.60
BS100	100ml	each	3.10

Amber glass, with dropper

CODE	VOLUME	UNIT	PRICE
BS250A	25ml	each	2.30
BS500A	50ml	each	2.60
BS100A	100ml	each	3.10

Spare dropper, for dropping bottle

CODE	VOLUME	UNIT	PRICE
BS251	25ml	each	1.30
BS501	50ml	each	1.40
BS601	100ml	each	1.60

DABCO - UNITRAY

Ideal for storing dropping bottles.

CODE	VOLUME	UNIT	PRICE
DUN102	With insert	each	6.50
DUN103	No insert	each	5.00



made in
AUSTRALIA

STULL DROPPING BOTTLE STORAGE TRAYS

CODE	VOLUME	UNIT	PRICE
TSB506	6 bottles 50/125ml	each	22.50
TSB5012	12 bottles 50/125ml	each	29.50



made in
AUSTRALIA

*Stull bottles not included



125ml 50ml 15ml

BOTTLES - STULL DROPPING, WITH STULL CAP CLEAR, POLYETHYLENE

CODE	VOLUME	UNIT	PRICE	CODE	VOLUME	UNIT	PRICE
DB125S	125ml	pkt/50	82.00	DB1510	15ml	pkt/10	16.00
DB50S	50ml	pkt/50	65.00	DB1550	15ml	pkt/50	74.00
Stull cap only							
SC002	125ml & 50ml	each	0.90				



NITRILE POWDER-FREE

- Blue disposable nitrile powder-free
- High chemical resistance

CODE	DESCRIPTION	UNIT	PRICE \$
NGS	Small Nitrile	box/100	15.00
NGM	Medium Nitrile	box/100	15.00
NGL	Large Nitrile	box/100	15.00
NGXL	Extra Large Nitrile	box/100	15.00



NITRILE LATEX, PAIR

- A co-polymer of acrylonitrile & butadiene
- Flock lined & contoured for comfort
- Chemicals, oils, fuels & certain organic solvents resistant
- Puncture, cut & abrasion resistant

CODE	DESCRIPTION	UNIT	PRICE \$
AS229954	Nitrile latex	pair	12.40



THERMOPLASTIC ELASTOMER (TPE)

- Made of Elastomer & Polyethylene resin
- Soft & tear resistant, moulds to hands
- Safe, latex free & odourless
- Easy to remove, naturally powder free

CODE	DESCRIPTION	UNIT	PRICE \$
TGS	Small TPE	box/200	11.00
TGM	Medium TPE	box/200	11.00
TGL	Large TPE	box/200	11.00
TGXL	ExLarge TPE	box/200	11.00

LATEX POWDER-FREE

- Original hospital grade
- White disposable powder-free
- Superior chemical resistant

CODE	DESCRIPTION	UNIT	PRICE \$
LGS	Small Latex	box/100	14.00
LGM	Medium Latex	box/100	14.00
LGL	Large Latex	box/100	14.00
LGXL	Extra large Latex	box/100	14.00



VINYL POWDER-FREE

- Excellent alternative to latex
- Superior chemical resistance
- Note: Should not be stored above 30°C

CODE	DESCRIPTION	UNIT	PRICE \$
VGS	Small Vinyl	box/100	9.00
VGM	Medium Vinyl	box/100	9.00
VGL	Large Vinyl	box/100	9.00
VGXL	Extra Large Vinyl	box/100	9.00



LAB COAT RACK - SINGLE RAIL

Portable single rail rack for keeping your lab coats organised and crease-free. Mounted on sturdy heavy duty lockable wheels. Adjustable height as well as extendable ends so you can hold more coats.

Size: 1280-1940mm(W) x 560mm(D) x 1335-2060mm(H) - adjustable ends and height.

- Holds up to 60 coats
- You never have to fold your coats again!
- Easily store your coats
- Count & sort
- Wheel them around easily
- Hang them up to dry

NEW DESIGN!
SAME LOW
PRICE

L500
\$255
each





HAINES

Visit our website www.haines.com.au

SAFETY CABINET, FLAMMABLE 100L

Made in Australia and built to the highest quality standards. The storage of dangerous substances in your school or workplace is governed by standards and regulations designed to limit the risk of fire and explosion associated with these substances. Featuring fabrication in 1.2mm zinc coated steel, double walls, 3 point locking and earthing point. Supplied complete with signage as specified in the respective Australian Standards.



AU25748
\$1,848
each

ELECTRIC HEATING MANTLE

Flameless heat, large contact area to glassware, even Heat distribution, rapid heating of contents, for continuous use, powder coated for chemical resistance.



L673
\$695
each

VACUUM PUMP WITH PRESSURE GAUGE

The pump delivers 120mbar Ultimate Vacuum and 18 l/ min flow rate. This pump is ideal for schools with no maintenance and no oil, simply plug and play.



4091
\$675
each



SENIOR TROLLEY

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

3424
\$535
each



JUNIOR TROLLEY

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



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

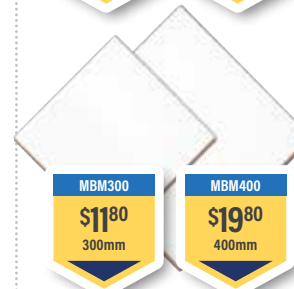
L421
\$22⁹⁰
each

L4211
\$110
pk/5



BM300
\$11⁸⁰
300mm

BM400
\$19⁸⁰
400mm



MBM300
\$11⁸⁰
300mm

MBM400
\$19⁸⁰
400mm



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)

BENCH MATS MELAMINE-COATED

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

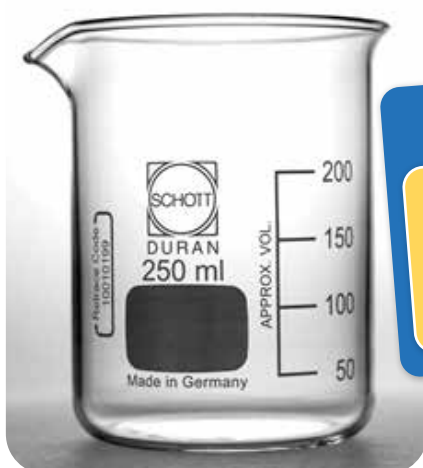
DIMENSIONS

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

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

- 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

ITEM CODE	CAPACITY	UNITS	PRICE
D101	25ml	Each	\$8.60
D1011		10 / pkt	\$80.90
D102	50ml	Each	\$8.40
D1021		10 / pkt	\$79.10
D103	100ml	Each	\$8.10
D1031		10 / pkt	\$75.80
D104	150ml	Each	\$8.70
D1041		10 / pkt	\$83.40
D105	250ml	Each	\$9.10
D1051		10 / pkt	\$85.60
D106	400ml	Each	\$10.70
D1061		10 / pkt	\$100.30
D107	600ml	Each	\$11.90
D1071		10 / pkt	\$112.10
D108	800ml	Each	\$15.30
D1081		10 / pkt	\$145.30
D109	1000ml	Each	\$18.40
D1091		10 / pkt	\$173.60
D110	2000ml	Each	\$33.70
D1101		10 / pkt	\$318.90
D111	3000ml	Each	\$57.20
D1111		4 / pkt	\$217.50
D112	5000ml	Each	\$108.10



SCHOTT DURAN®
Erlenmeyer flask
Narrow neck, with graduation



ITEM CODE	CAPACITY	UNITS	PRICE
D201	50ml	Each	\$11.00
D2011		10 / pkt	\$89.80
D202	100ml	Each	\$10.60
D2021		10 / pkt	\$85.60
D203	250ml	Each	\$11.00
D2031		10 / pkt	\$89.80
D204	500ml	Each	\$13.50
D2041		10 / pkt	\$109.60
D205	1000ml	Each	\$24.50
D2051		10 / pkt	\$190.20
D206	2000ml	Each	\$37.80



SCHOTT DURAN®
Erlenmeyer flask
Wide neck, with graduation



ITEM CODE	CAPACITY	UNITS	PRICE
D301	50ml	Each	\$11.20
D3011		10 / pkt	\$90.80
D302	100ml	Each	\$11.00
D3021		10 / pkt	\$89.80
D303	250ml	Each	\$11.80
D3031		10 / pkt	\$96.00
D304	500ml	Each	\$14.10
D3041		10 / pkt	\$114.80
D305	1000ml	Each	\$23.10
D3051		10 / pkt	\$189.00
D306	2000ml	Each	\$40.30
D3061		10 / pkt	\$329.00

**HAINES**Visit our website www.haines.com.au

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)

ITEM CODE	CAPACITY	UNITS	PRICE
D601	125ml	Each	\$16.10
D6011		4 / pkt	\$60.40
D602	250ml	Each	\$15.30
D6021		4 / pkt	\$58.10
D603	500ml	Each	\$17.50
D6031		4 / pkt	\$66.30
D604	1000ml	Each	\$25.00
D6041		4 / pkt	\$95.20



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

ITEM CODE	CAPACITY	UNITS	PRICE
D401	50ml	Each	\$14.20
D4011		10 / pkt	\$134.20
D402	100ml	Each	\$12.80
D4021		10 / pkt	\$121.60
D403	250ml	Each	\$14.90
D4031		10 / pkt	\$141.40
D404	500ml	Each	\$16.40
D4041		10 / pkt	\$157.90
D405	1000ml	Each	\$23.80
D4051		10 / pkt	\$227.50
D406	2000ml	Each	\$50.40
D4061		10 / pkt	\$477.30
D407	5000ml	Each	\$287.70



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

ITEM CODE	CAPACITY	UNITS	PRICE
D501	100ml	Each	\$71.00
D5011		10 / pkt	\$614.10
D502	250ml	Each	\$81.20
D5021		10 / pkt	\$697.60
D503	500ml	Each	\$87.60
D5031		10 / pkt	\$683.80
D504	1000ml	Each	\$114.30
D5041		10 / pkt	\$916.10
D505	2000ml	Each	\$163.80
D5051		10 / pkt	\$1282.60

SCHOTT DURAN® Spares

ITEM CODE	CAPACITY	UNITS	PRICE
LB525	Cap, lab bottle, blue, GL 45	Each	\$5.80
LB520	Pouring ring, blue, GL 45, pkt 10	10 / pkt	\$18.10

ADAM BALANCES

CB COMPACT RANGE

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.

CODE	ACCURACY	UNIT	PRICE \$
CB501	500g x 0.1g	each	124.00
CB1001	1000g x 0.1g	each	148.00
CB3000	3000g x 1g	each	124.00
CBADAPTOR	6vDC 200mA	each	45.00



Pan size:
130mm

Dimension:
45 x 160 x 205mm (H x W x D)



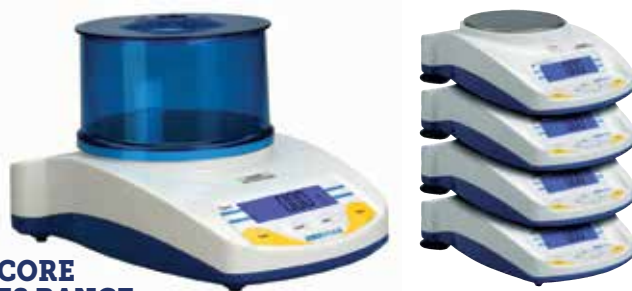
DUNE SERIES RANGE

The Dune series offers all of the necessary features for quick and easy weighing. Compact and easy to use, the Dune offers basic weighing at an unbeatable value! Streamlined design for basic weighing in the lab, classroom or field.

CODE	ACCURACY	UNIT	PRICE \$
DCT201	200g x 0.1g	each	133.00
DCT2000	2000g x 1g	each	133.00
DCT5000	5000g x 2g	each	133.00
DCT302	300g x 0.01g	each	327.00
DCT601	600g x 0.1g	each	194.00
DCT2001	2000g x 0.1g	each	247.00

Pan size:
145 x 145mm

Dimension:
40 x 208 x 147mm (H x W x D)



CQT CORE SERIES RANGE

The CQT Core series is the best choice for simple operation and economy.

CODE	ACCURACY	UNIT	PRICE \$
CQT202	200g x 0.01g	each	400.00
CQT251	250g x 0.1g	each	223.00
CQT601	600g x 0.1g	each	259.00
CQT1501	1500g x 0.1g	each	371.00
CQT2601	2600g x 0.1g	each	425.00
CQT5000	5000g x 1g	each	247.00

Pan size:

120mm

Draft shield:

Round 130 x 90mm high

Dimension:

86 x 173 x 255mm (H x W x D)

HIGHLAND RANGE

With built in applications for parts counting, percentage weighing and totalization/ accumulation, Highland balances are packed with useful features.

CODE	DESCRIPTION	UNIT	PRICE \$
HCB120	120g x 0.001g	each	642.00
HCB302	300g x 0.01g	each	575.00
HCB602H	600g x 0.01g	each	618.00
HCB1002	1000g x 0.01g	each	680.00
HCB2202	2200g x 0.01g	each	841.00
HCB3001	3000g x 0.1g	each	575.00
HCB6001	6000g x 0.1g	each	642.00

Pan size:

120mm

Draft shield:

Round 132 x 90mm high

Dimension:

80 x 170 x 245mm (H x W x D)



LUNA RANGE PRECISION RANGE

Pan size:120mm

Draft shield: Round 180mm x 110mm

Dimension: 344 x 220 x 340mm (H x W x D)
3 Year Warranty

EXTERNAL CALIBRATION

CODE	DESCRIPTION	UNIT	PRICE \$
LPB 223e	220g x 0.001g	each	1,416.00
LPB 423e	420g x 0.001g	each	1,536.00
LPB 623e	620g x 0.001g	each	2,008.00

INTERNAL CALIBRATION

CODE	DESCRIPTION	UNIT	PRICE \$
LPB 223i	220g x 0.001g	each	1,652.00
LPB 423i	420g x 0.001g	each	1,772.00
LPB 623i	620g x 0.001g	each	2,244.00



ADAM CALIBRATION WEIGHTS

Balances require regular calibration to ensure accuracy. Inexpensive, they are the perfect partner for any balance in your lab. Stainless steel, OIML Class F1 weights.

CODE	DESCRIPTION	UNIT	PRICE \$
F1CN01	1g	each	64.00
F1CN10	10g	each	70.00
F1CN20	20g	each	77.00
F1CN50	50g	each	89.00
F1CN100	100g	each	102.00
F1CN200	200g	each	121.00
F1CN500	500g	each	172.00
F1CN1K	1000g	each	260.00
F1CN2K	2000g	each	320.00



DISPOSABLE POLYSTYRENE WEIGH TRAYS



CODE	DESCRIPTION	UNIT	PRICE \$
WT21004	80 X 80mm	pk/1000	148.00
WT2250	80 X 80mm	pk/250	43.00
WT44	44 X 44mm	pk/250	22.50

TUBULAR SPRING BALANCE, PREMIUM

ACRYLIC, STAINLESS STEEL PARTS

Longer scale enables easier reading and improved resolution.

DIMENSIONS

270 x 25mm (L x Ø)

CODE	DESCRIPTION	UNIT	PRICE \$
P300	10g / 0.1N	each	17.50
P310	20g / 0.2N	each	17.50
P320	100g / 1N	each	17.50
P330	200g / 2N	each	17.50
P340	250g / 2.5N	each	17.50
P350	500g / 5N	each	17.50
P360	1kg / 10N	each	17.50
P370	2kg / 20N	each	17.50
P380	5kg / 50N	each	17.50
P385	10kg / 100N	each	17.50
P395	Complete set	set/10	160.00



- LONGER LASTING
- WIDE RANGE OF CAPACITIES



MAXWELL'S WHEEL

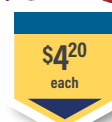
Investigate conservation of mechanical energy and momentum with this intriguing device. The wheel is rolled to the top by means of strings wound on its axle. When released, its potential energy becomes kinetic, allowing it to roll back down. At the bottom, kinetic energy is converted into potential and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



BANANA/BANANA LEADS, STACKABLE, 30CM

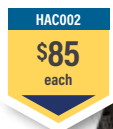
30cm with 4mm end, piggyback banana plug each end

CODE	DESCRIPTION	UNIT	PRICE \$
P053B	Black	each	4.20
0695002	Blue	each	4.20
0695003	Green	each	4.20
P053R	Red	each	4.20
0695005	Yellow	each	4.20



HEAT ABSORPTION COMPARATOR

A great little device cleverly designed to demonstrate heat absorption and radiation. Use 12 V to activate the globe (supplied) and tabulate and graph the results.



HALF LIFE ANALOGUE

Perfectly safe way to study the topic of radioactivity. Practicals are difficult to organise because of the hazardous nature of the topic, but this apparatus offers students the opportunity to obtain realistic results. The student set contains ten trays and 500 small plastic cubes. The cubes have one face identified and represent radioactive nuclei

which have "decayed" when this face is uppermost.

Ten groups shake their set of nuclei and roll them out onto the bench. For each throw the decayed nuclei are counted and removed from the set. Excellent results for an exponential decay curve are obtained with increased awareness of the link between activity and the number of nuclei present.



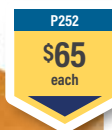
BELL JAR WITH BUZZER, BATTERY OPERATED

This bell jar effectively demonstrates this concept using a battery-operated buzzer housed inside an acrylic tube. When the buzzer is placed beneath the jar and a vacuum seal is created in the chamber, students will observe a total absence of sound. Once air is returned to the chamber, the sound of the buzzer can be heard once more. Activity requires a vacuum pump, not included. Height 14cm, 10 cm Ø



BICYCLE DYNAMO ASSEMBLY

For showing slow AC on an oscilloscope or meter or for demonstrating the use of a dynamo in lighting a lamp. This apparatus has a cycle dynamo mounted on a base. Two 4 mm socket terminals are provided for the dynamo output.



DOPPLER EFFECT APPARATUS

The wavelength of sound is changed by the motion of the source. This apparatus helps students understand with effect easily. Twirl the unit above your head for students to clearly hear the Doppler effect. A great aid for explaining this significant scientific principle.

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
\$155⁹⁰
each

Extra large



P132
\$395
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.



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

4880
\$39
set/500g

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

4980
\$70
set/1000g

SLOTTED MASSES, STAINLESS STEEL

High quality stainless steel, does not tarnish, exceptional weight stability, extra strong hook and weights, spare hangers & slotted weights available.

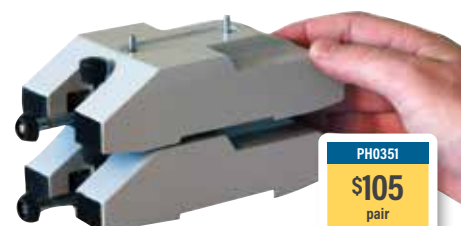
DYNAMIC CART, METAL

PERFECT FOR INCLINED PLANE & BENCHTOP EXPERIMENTS

BEST VALUE

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
\$105
pair

STACKABLE

LESLIE'S CUBE TIN

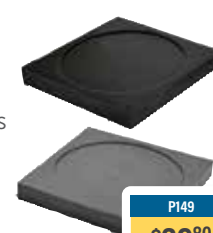
Tin plate box with 130mm sides. The vertical faces of the box are blackened, roughened and polished respectively. The top opening is fitted with a stopper with a hole for a thermometer (not supplied)



P411
\$46
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
\$39⁸⁰
per set



P927
\$32⁵⁰
per set

RADIATION CANS, SET/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 metal cans with stoppers to accommodate thermometer (not included). Size: 23cm tall.



P150
\$36
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



HAINES

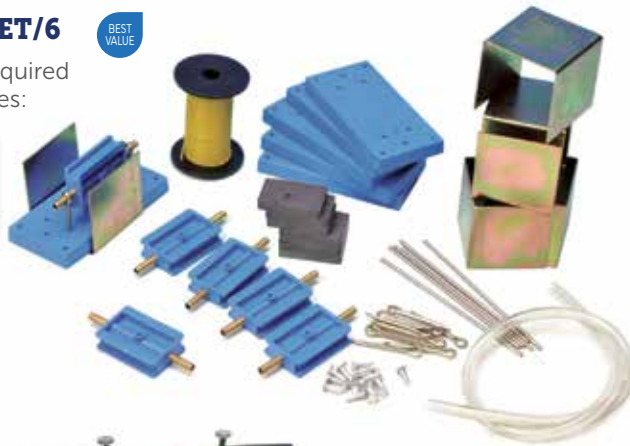
Visit our website www.haines.com.au

ELECTRIC MOTOR KIT, SET/6

The kit comprises all the part required to build 6 model motors. Includes:

- 12x magnets
- 6x armatures
- 6x mild steel yokes
- 6x support bases
- 6x shafts
- 24x rivets
- 12x split pins
- 1x reel of 26SWG PVC tinned copper
- 2x reels of cello tape
- 300mm rubber tubing of 3mm bore

P151
\$89⁵⁰
set/6



BEST
VALUE



PH724
\$75⁹⁰
pair

TUNING FORK PAIR

What happens when 2 mounted tuning forks sound at the same/ different frequencies? Steel, set of two.

CATHODE RAY TUBES

Requires Induction Coil & Power Supply. Instructions included.



P840
\$99
each

Electrostatic Deflection



P841
\$99
each

Magnetic Effect



P842
\$99
each

Maltese Cross



P843
\$99
each

Paddle Wheel



EM013301
\$355⁸⁰
each

INDUCTION COIL, 30MM SPARK

To produce high voltage alternating current or pulses of high voltage current from a low voltage direct current source. Suitable for use with gas-filled discharge tubes, vacuum tubes and for general laboratory work. Requires 6-12V power source.

0090001
\$104⁸⁰
each



SOLENOID

AIR CORED, 660 TURNS

Formed on a strong moulded plastic bobbin, it is used in several experiments or for any time a magnetic field is required of known field strength.

It contains 660 turns of copper wire and can carry about 5 amps maximum current.

LENZ LAW APPARATUS

This 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.

P35
\$43⁹⁰
each



GEIGER COUNTER - DIGITAL

To detect and count high energy Alpha particles, Beta particles and Gamma rays, to count either continuously or over preset periods of 10sec, 60sec or 100sec. Comes with inbuilt GM tube and LCD display is powered by 3x 'AA' batteries. Socket provided for standard 240/12V.AC. Plug Pak can be used to run the unit.

1884001
\$875
each



RADIO ACTIVE SOURCES

Half lives displayed on individual disc sources. Isotopes are exempt from individual licensing and require no special handling/ storage or disposal.



CODE	DESCRIPTION	PRICE \$
1093001	Polonium 210	290.00
1093002	Strontium 90	290.00
1093003	Cobalt 60	290.00
1093004	Set/3 - Po, St, Cobox/100	755.00

CLOUD CHAMBER, COLD PLATE TYPE

This Cloud Chamber requires no dry ice or liquid nitrogen. It uses a specially designed cold plate that is capable of retaining a low temperature for about one hour by freezing the plate in a standard freezer.



P351
\$580
each

PS351
\$75
per set

BEST SELLER

ELECTRICITY KIT, ECONOMY

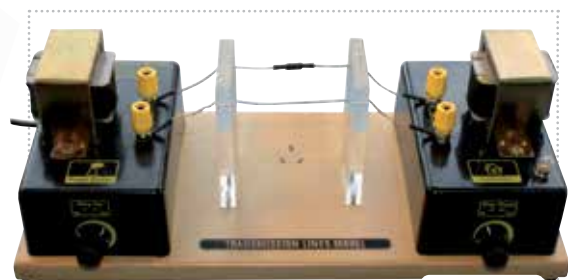
A complete classroom set of basic electrical components.

Includes:

- 10x lamp holders, 10x bulbs
- 1x buzzer, 1x electric motor
- 5x switch, 3x battery holder
- 10x alligator leads

ALPHA SCATTERING DEMO MODEL

For demonstrating Rutherford scattering by means of a gravitational analogue of inverse square law repulsion.

P742
\$99⁵⁰
per set

P0003
\$395⁹⁰
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.

GUINEA & FEATHER

FREE FALL TUBE CLASSICAL DEMO

Drop a coin and a feather in a vacuum and see how fast they fall. Length: 1m

Note: Requires a vacuum pump, not included


35050
\$155
each

BEST SELLER
PH019
\$79⁸⁰
each


DEMONSTRATION METER, ECONOMY

Simple galvanometer. Use it to demonstrate deflection due to small currents.

Housed in a transparent wooden box to easily see key features.

Size: 8 x 10 x 19cm (L X W X H)

LOOP THE LOOP

Demonstrate transformation of potential into kinetic energy with this large size model for the whole class to see.

Size: 50cm high


LARGE
PH054
\$69⁹⁰
each

HAND GENERATOR

Hand operated, housed in clear tough plastic case. Mounted lamp on the end can be used as a flash light.

Can be utilised with almost any experiment requiring up to 12V DC current. Use binding post to connect outside electrical circuit.


PH1229HG
\$39
each

LIGHT GUIDE

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


P0587
\$16⁵⁰
each

REFRACTION TANK

Acrylic hollow tank with graduations. Ideal for refraction, reflection and wave demonstrations.

Size: 20cm diameter


PH0585D
\$14
each

SPECTROMETER, ENGLISH PATTERN

Comprised of a cast base with an integral fixed pillar for the collimator support and a swinging telescopic arm.



338000

\$575
each

ATOM ACTIVITY MODEL

So easy for students to now build their own atoms. Add/remove neutrons and protons to the nucleus. Peg the required number of electrons in the appropriate shells. Can be used on the overhead projector for easy class demonstration. Cheap enough for class sets. Model 15cm wide.



PR003

\$45³⁰
set

NOMENCLATURE CARDS

Using this set of 140 + 4 blank write and wipe magnetic cards representing the most common cations and anions including polyatomic ions and multiple valency elements students can investigate not only the sometimes perplexing naming of compounds but the balancing of equations.



B202

\$129
set

DIGITAL COLORIMETER

This Colorimeter is a high quality student Colorimeter for the measuring of concentrations of chemical solutions. The LCD display can provide either 'Transmission' or 'Absorption' measurements. Supplied complete with 6x cuvettes and 4x test tubes for samples, with selectable 0-4V or 0-5V analogue output signal for logging software.



1003001

\$486
each

FERRO FLUID

Ferro Fluid is a novel application of nano technology and is now used in many commercial applications including computer hard drives, audio speakers, bio-medical procedures and detection of micro-faults in critical steel components. Use Ferro Fluid to demonstrate and discuss magnetic behaviour in your classroom. Ferro Fluid is a colloidal suspension of nano scale magnetic particles in a liquid carrier. The particles average about 10nm in size and are coated with a dispersing agent (surfactant) to prevent agglomeration.



G675

\$58³⁰
50mL

HAND BOILER

Glass hand boiler demonstrates Charles' Law. Item contains ethyl alcohol and is flammable, to be used under strict adult supervision.

G451

\$16
each



MOLECULAR CLASSROOM DEMO SET

SET/99, EXTRA LARGE

C200

\$185⁹⁰
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

SENIOR ORGANIC / INORGANIC SET

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



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

**HAINES**

PVT001

\$75⁸⁰
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

\$89
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

\$99
each**SPECTROSCOPE, GRADUATED SCALE**

Plastic, direct vision student spectroscope, fitted with a high efficiency grating in the eyepiece.

P5980

\$42⁵⁰
each**CARDBOARD**

With diffraction grating, strong cardboard tube

F3093

\$11⁶⁰
each**STUDENT MINI VOLTAMETER**

Neat compact unit, easy to use student voltmeter, includes electrodes

V2000

\$69
each

FTB001

\$28⁵⁰
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!



FTB002

\$24⁴⁰
each**FLAME TEST BOTTLE RACK**

10 PLACES

**MEMORY WIRE (NITINOL)****CHANGES STRUCTURE**

With teacher notes & lesson ideas.

30cm

CH832

\$15⁸⁰
each

90cm

CH932

\$40
each

Extra large & robust
Colour-coded atoms

JUPITER MOLECULAR MODELS

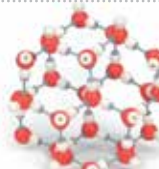
C130

\$39⁵⁰
each**SODIUM CHLORIDE MODEL KIT**

C135

\$39⁵⁰
each**GRAPHITE MODEL KIT**

C140

\$39⁵⁰
each**DIAMOND MODEL KIT**

C145

\$45⁵⁰
each**WATER MODEL KIT**

S23A

\$1,690
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.

C00100

\$89
each

C00101

\$110
each

With digital multimeter

STUDENT COLORIMETER

For accurate determination of concentrations. Battery powered. Includes: Instructions and test tubes.



C150

\$45⁵⁰
each**ZINC SULFIDE MODEL KIT**

C160

\$48⁵⁰
each**FULLERENE MODEL KIT**



HAINES

Visit our website www.haines.com.au

SALT-WATER FUEL CELL KIT

Now you can demonstrate a cutting edge fuel cell concept: combine a saltwater electrolyte with magnesium plates to generate electrical energy. The Salt Water Fuel cell kit enables you to investigate the science behind salt water fuel cell technology, either by powering the included mini-turbine or creating your own power applications. Includes an experiment manual, teacher notes & classroom guide.

Salt water energy experiments:

- Features magnesium salt-water fuel cell power device
- Develop your own micro-fuel cell applications
- Create energy from salt water solution and power a fan
- Analyze current and voltage variation using different salt concentrations
- Analyze current and voltage variations using different temperatures
- Analyze current and voltage variations using different fuel volumes



G034
\$149
each



HYDROCAR FUEL CELL KIT

Great entry-level fuel cell car kit. Demonstrates electrolysis of water into oxygen and hydrogen. Includes solar panel to power electrolysis process, experiment guide on CD, as well complete manual. Easy to build and operate, steers independently when meeting obstacles.

KT2526
\$255
each

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. Provided with loops welded to caps for electrical connection.

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	36.00
HL133601	Carbon Dioxide	each	36.00
HL134601	Helium	each	36.00
HL135601	Hydrogen	each	36.00
HL136601	Krypton	each	36.00
HL137601	Mercury Vapour	each	36.00
HL138601	Neon	each	36.00
HL139601	Nitrogen	each	36.00
HL140601	Oxygen	each	36.00
HL141601	Sulphur	each	40.50
HL142601	Water Vapour	each	36.00
1052007	Spectrum Tubes Set	set/6	195.00
(H, Hg, He, N, Ne, Ar)			

FROM
\$36
each



SPECTRUM DISCHARGE TUBE



3785001



SAB

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
\$346
each

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. Use with Rumkoff coil.

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

SAB
\$89⁹⁰
set



IS004
\$26⁷⁰
each

MAGIC SNOW

A super absorbent polymer that soaks water and 'grows' before your eyes. Feels like real snow! Non-toxic - best to avoid carpets and fabrics as it may stick and be difficult to remove. Can be used over and over again. Makes about 2.5 litres of snow for every 100g of snow magic.



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.

RED CABBAGE INDICATOR JIFFY JUICE

Forget boiling smelly cabbages to extract pH indicator. Red Cabbage Jiffy Juice is bottled and ready to use. Just mix up the instant powder with water to make the Jiffy Juice indicator and measure the pH of common household substances.

J01512
\$29⁵⁰
pack



CONDUCTIVITY OF SOLUTIONS DEMONSTRATION

This kit consists of a moulded socket on a PVC cover, provided with binding posts for the connection of two wire cords. Two electrodes are internally connected to the lamp circuit to show how the current powers a lightbulb. Watch as you control how liquid can conduct electricity!



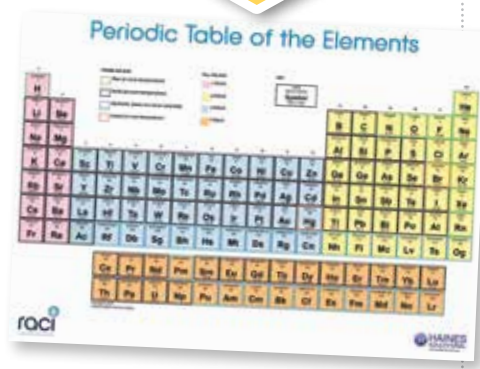
7-315
\$19⁹⁰
each

RACI PERIODIC TABLE CHART, 120 X 85CM

Announcing the new RACI – Haines Educational collaboration.

The Royal Australian Chemical Institute (RACI), in conjunction with Haines Educational, are pleased to announce the arrival of this new Periodic Chart. Large enough to be seen from the back of the classroom. Size 120 x 85cm. Made in Australia.

C982
\$59⁸⁰
each



LEMON CLOCK DISCOVER THE SCIENCE OF BATTERIES

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

J938
\$11⁵⁰
per kit

JUMBO TEST TUBES + STAND

Sturdy & durable, encourages inquiry-based investigation and hands-on observation.

Safe at temperatures from 10° - 80°C with 25/50/75/100ml calibration marks

Includes 6 test tubes, rack and Activity Guide.

Tubes measure 15 x 3.75cm (H x dia).



L991
\$39⁵⁰
per set

HOFFMAN VOLTAMETER, ACRYLIC NEW COMPACT PLASTIC, STAINLESS STEEL DESIGN

New design with all the classic features of a glass Hoffman Voltmeter. Safer and easier to store, minus the breakages. Includes instructions and a pair of platinum electrodes (spares available).

Made in Australia.
Size: 140 x 520mm.

GE1760
\$248
each



B131

\$99
each



MONOCOT SEED GERMINATION (MAIZE)

Model shows germination of monocot plant (maize) seeds of development. Size: 420 X 330 X 70mm (L x W x H)

B130

\$99
each



DICOT SEED GERMINATION (PEA)

Model shows the germination of dicot plant (pea) seeds of development. Size: 330 x 230 x 50mm (L x W x H)

AM0072

\$425
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.

TECH TRAY

Polypropylene laboratory/ dissecting tray. Hygienic, stackable, light weight, autoclavable with etched scale and anchor points (for securing specimens with string). Each tray is supplied with one disposable dissecting mat. 47 x 33.5cm

Note: Pictured labware not included

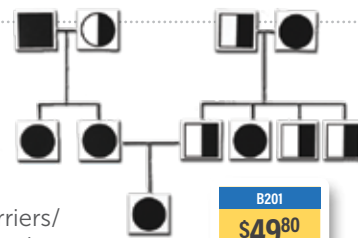
L1108

\$24
each



GENETIC & INHERITANCE MAGNETIC CARDS

Investigate how genes work in families using these 36 magnetic shapes, representing males and females with the 3 possible genetic combinations (affected/carriers/unaffected). Includes teacher's guide with actual case studies, lesson outlines and reproducible work sheets.



B201

\$49⁸⁰
per set

MAGNETIC HUMAN BODY

Twice the life-science learning--skeletal system on one side and major organs and muscle groups on the other! Creates a realistically detailed body. Features multilingual Activity Guide with reproducible diagrams to label.

LER6044

\$75⁶⁰
per set



STAINLESS STEEL, POINTED FINE FORCEPS

CODE	DESCRIPTION	UNIT	PRICE \$
DFP1	125mm	each	4.50
DFP4	150mm	each	5.00
DFP6	200mm	each	5.20
DFP7	250mm	each	5.80

STAINLESS STEEL, BLUNT

CODE	DESCRIPTION	UNIT	PRICE \$
DFP2	125mm	each	4.20
DFP5	150mm	each	4.90

STAINLESS STEEL, CURVED

CODE	DESCRIPTION	UNIT	PRICE \$
DFP3	125mm	each	4.90



DSS2



DSS3



DSS4

STAINLESS STEEL SCISSORS, FOR DISSECTING 130mm

CODE	DESCRIPTION	UNIT	PRICE \$
DSS2	Sharp/Sharp	each	5.90
DSS3	Sharp/Blunt	each	5.90
DSS4	Blunt/Blunt	each	5.90

DISSECTING KIT, 4 INSTRUMENTS

Includes splinter forceps, scalpel handle, dissecting scissors and artery forceps. Note: the needle in image is replaced by Artery forceps.



821903

\$22
per kit

DISSECTING KIT, 7 INSTRUMENTS

Includes 2 x scissors, scalpel handle # 4, scalpel blades, dissecting needle and 2 x forceps.



821910

\$25⁴⁰
per kit



TEST STRIPS

CODE	DESCRIPTION	UNIT	PRICE \$
IS129-50S	Urine Test strips (Glucose 0-3000mg/dL)	pk/50	53.80
IS130-50S	Urine Multi-Test strips (Glucose, Protein, pH & Ketones)	pk/50	110.00
IS151-40S	Glucose test strips (0-0.1-0.25-0.5-2%)	pk/40	75.00
LW3848-01	Control (taste test)	vial/100	7.50
LW3849-01	Sodium Benzoate (taste test)	vial/100	8.00
LW3850-01	Thiourea (taste test)	vial/100	8.00
LW385701	Ptc (taste test)	vial/100	9.90



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
WAS \$85.80
NOW \$49 each

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
\$95³⁰ 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
\$189⁹⁰ per set

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
\$65⁸⁰ per set



PREHISTORIC HOMINID SKULL

Matural size, Set/6

Review anatomical similarities.

Set consists of:

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

B127
\$595⁸⁰ set/6



STICK TO SCIENCE PUNNETT SQUARE

The Punnett square is a square diagram that is used to predict the genotypes of a particular cross or breeding experiment.

S180
\$75⁸⁰ each





HAINES

Visit our website www.haines.com.au

BUDGET ANATOMICAL MODELS

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



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.

6512

\$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.

6516

\$89
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.

6511

\$165⁸⁰
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.

6523

\$85
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.

6527

\$95
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

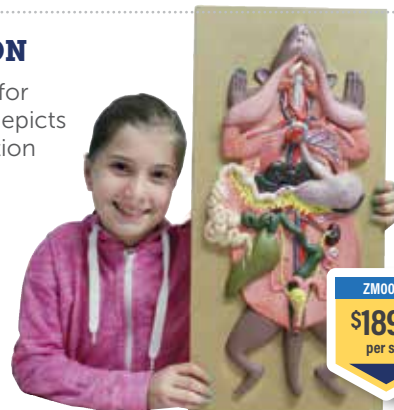
MK019

\$42
each

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

\$189⁹⁰
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

\$42
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

\$42
each



GLITTER BUG HAND WASHING KIT

GlitterBug Potion is applied to students' hands and
rubbed in all over, including the wrist. It dries
invisible. When they wash their hands, the
GlitterBug Potion will be removed with good
handwashing technique However, the Potion
will still be present on any areas that are
missed by the washing, and this will show
up under GlitterBug UV light.



GBHWK

\$120
per kit

VCE(L)
\$355
each



VCE (L)

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

DELUXE(L)
\$425
each



STEREO DELUXE (L)

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



ZL001
\$99
each

MICROSCOPE, DIGITAL, 1.3MP

BEST VALUE

Plug this portable USB microscope into your computer and watch everyday objects come alive in amazing detail on the screen, magnified 200 times their normal size.



QUADRAT

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

B118
\$36⁹⁰
each



PS16
\$25
each

PREPARED MICROSCOPE SLIDES MITOSIS PHASES, SET OF 5

Metosis set of five, onion root tip. Packed in a 5's plastic box. Anaphase, metaphase, prophase, telophase and interphase.

ONION ANTHR MEIOSIS, SET OF 12

Mixed set showing the different stages of meiosis in an onion cell: Leptotene, zygotene, pachytene, prophase, diakinesis, metaphase, anaphase, telophase, prophase, metaphase, anaphase, telophase.

PS12
\$75
each

BACTERIA, SET OF 6

Three types of bacteria smear, bacterie bacillus, clostridium tetani smear, lactobacillus acidophilus smear, bacteria from human mouth smear, bacteria spores smear.

B1123
\$39
each

MINI GRID

Minigrid slide, 1cm square divided into 1mm divisions.



MG002
\$21
each



B1146
\$99⁸⁰
each

BOTANY, SET OF 25

Volvox W.M, Nostoc W.M, 3 Spirogyra W.M, 4 Chlamydomonas W.M., Euglena W.M., Yeast W.M, Mucor W.M, Penicillium W.M, Monocot leaf C.S, Monocot Stem C.S, Monocot Root C.S, Dicot Root C.S, Dicot Stem C.S, Dicot Leaf C.S, Spirogyra vegetative, Bacteria bacillus, Bacteria Coccus, Onion stoma, Pollen germination W.M, Mitosis onion root, Parenchyma, Phloem, Xylem, Scalernchyma.

ZOOLOGY, SET OF 50

Mammal taste bud, mammal blood, meiosis locust, mammal artery, mammal vein, animal cell, euglena, mammal lungs, mammal appendix, mammary gland, mammal thymus gland, mammal adrenal gland, mammal pituitary gland, paramecium w.m, paramecium fission.w.m, paramecium Conjugation.w.m, mammal nerve, hydra w.m, hydra with Bud, w.m, skeletal muscle, mammal blastula, mammal hair, mammal ovary, fibro cartilage, simple cuboidal epithelium, stratified squamous epithelium, ciliated epithelium, adipose tissue, hyaline cartilage, mammal tooth, elastic cartilage, frog blood smear, smooth muscles, skeleton muscle, daphnia, sardiac muscle, spinal cord, esophagus, trachea, stomach, planarian, mammal skin, small intestine, duodenum, jejunum, large intestine, nerve cell, kidney, ureter, mammal rectum.

B1148
\$199
each

PLANT PRESS

Large and sturdy plant press.
Size: 250 x 250mm

FP001
\$32⁹⁰
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
\$18⁶⁰
each



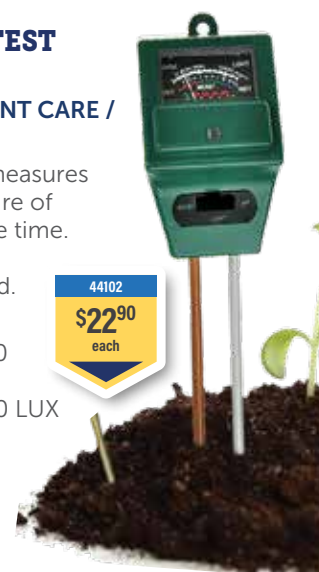
GARDEN/SOIL TEST METER

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

44102
\$22⁹⁰
each





HAINES

Visit our website www.haines.com.au

VARIABLE VOLUME MICROPIPETTES

Our series of micropipettes features color coded plungers for easy identification. Calibration conforms to DIN 12650 & EN-ISO 8655 standard ensuring high accuracy and precision. Calibration report enclosed with every micropipette.

CODE	DESCRIPTION	UNIT	PRICE
HAIM5	Micropipette	200-1000uL	180.00
HAIM4	Micropipette	50-200uL	180.00
HAIM6	Micropipette	10-100uL	180.00



HAIM4
\$180
each

HAIM5
\$180
each

HAIM6
\$180
each

BOXED RACKED TIPS

Autoclavable micropipette tips. Free of lubricants, dyes and heavy metals. Non-sterile. 2 - 200 µl capacity. Supplied in rack of 96, Suitable for HAIM4 & HAIM6 micropipette.

CODE	DESCRIPTION	UNIT	PRICE
TIP58B	Racked Micropipette Tips, 2-200uL - 96 Tips		25.00
	Suitable for HAIM4 & HAIM6 micropipette		
TIP55B	Racked Micropipette Tips, 200-1000uL - 96 Tips		25.00
	Suitable for HAIM5 micropipette		

TIP58B
\$25
each

TIP55B
\$25
each



LOOSE TIPS

CODE	DESCRIPTION	UNIT	PRICE
TIP100	Tips for micropipette	2-200uL - 1000pkt	39.00
	Suitable for HAIM4 & HAIM6 micropipette		
TIP200	Tips for micropipette	200-1000uL - 500pkt	39.00
	Suitable for HAIM5 micropipette		

TIP200
\$39
each

TIP100
\$39
each



SPARE RACK/BOX

Made from high quality polypropylene, holds 96 tips. Transparent cover. Suitable for autoclave.

CODE	DESCRIPTION	UNIT	PRICE
B2506	Universal empty micro tip box	2-200uL	8.00
B2508	Universal empty micro tip box	200-1000uL	10.00



B2506
\$8
each

B2508
\$10
each

MARINE ANIMAL KINGDOM

This kit looks at species found in Marine Animal Kingdom. There are eight specimen blocks in this package, each preserved and encased in clear resin material. They can be observed from every side to see details! Specimens include: Pagurid, Spiral Shell, Lobster, Starfish, Cuttlefish, Fiddler Crab, Octopus, Scat Fish.



TS0028
\$175⁹⁰
each

PARTS OF AN INSECT SPECIMEN

This kit focuses on the parts of an Insect. The specimen block contained in the kit details what makes a creature an insect. The block is made from clear resin so each part can be observed from every side to see the details! The specimen contained in the block is a Stag Beetle (Lucanus hermani).



TE902
\$69⁵⁰
each

LARGE ASSORTED SPECIMEN KIT, SET/30

A great way to start your specimen collection. Includes: Spider, Chinese Shrimp, Silkworm Life Cycle, Crab, Cricket, Cockroach, Stag Beetle, Onion Fly, Long Horn Beetle, Antler Horn Beetle, Ant, Wood, Tiger Beetle, Green Tiger Beetle, Mole Cricket, Scorpion, Shield Bug, Cicada, Dragonfly, Rhinoceros Beetle, Dung Beetle, Yellow Jacket Wasp, Paper Wasp, Common Tiger Butterfly, Honey Bee, Grasshopper, Bamboo Weevil, Grey Weevil, Lady Bug, Great Diving Beetle, Chafer Beetle.



TE300
\$360
each

ARTHROPODS SPECIMENS COLLECTION

This collection includes six different arthropods and their characteristics. The specimens are encased in a clear resin block so they can be seen from all angles! The species in this set include the Pillworm, Scorpion, Locust, Spider, Shrimp and Millepede.



SI-1506
\$46⁸⁰
each

RUBBER BAND RACERS, GIGO

Build 5 different models: boat; propeller car; hydrofoil; airplane; helicopter. The propellers get the students to play and learn about energy stored in rubber bands as well as the principles of aviation.



GIGO SOLAR CATAMARAN

This catamaran sails on solar or battery power.

Includes:

- 44 pieces, 6 experiments included
- The multi-functional motor combines a solar panel, gears and a battery
- A fan can be used along with the solar motor



SOLAR POWER KIT 2.0, GIGO

The special solar panel in this kit generates 3 volts of electricity in bright sunlight and its position can be adjusted. Comes with 120 pieces to build 10 models. The special solar panel in this kit can generate 3 volts of electricity in bright sunlight and it's positionable, so you can experiment by adjusting it to different angles thereby maximizing its exposure to the sun to generate more power.



MIRACLE MIRROR

This is a plastic hemisphere covered with aluminum. 14cm in diameter. The back side functions as a concave mirror and the front as a convex mirror. Reflections of the same object on opposite sides are dramatically different.



AIR ZOOKER

Blast a harmless vortex of air up to 6m towards any object or person. Powerful enough to blow out a candle from across the room!

Safe and easy to assemble and use. Requires no batteries.



SIMPLE MACHINES, SET OF 6 MACHINES

This set of 6 wooden machines are elegantly designed and easy for students to use. A great resource to have in the classroom.





HAINES

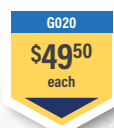
ENGINEERING MARVELS

A set of three kits for all budding engineers! Build and experiment with these high quality construction kits. Ideal for all STEM applications.



DELUXE MIRROR/LENS SET ON STAND, SET/4

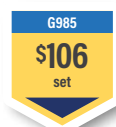
This set includes the following items, one of each: biconvex lens, convex mirror, biconcave lens and concave mirror. Each mirror/ lens measures 20 cm high and the diameter of the mirror/lens is 9 cm.



FOUCAULT'S PENDULUM

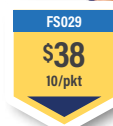
Easy to use, compact instrument. Built simple device with an executive wooden stand, conceived as an experiment to demonstrate the rotation of the Earth – while also making intricate patterns in the sand.

Size: 55cm



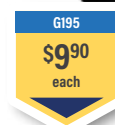
BALLOON HELICOPTER

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.



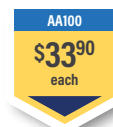
BALANCING BIRD

This eagle balances on almost anything – your finger, a pencil, or the edge of your desk. Students can change the eagle's centre of gravity by adding small pieces of tape or paperclips to have it to balance perfectly. Individually packaged with a stand. Approx. 16 cm wing span.



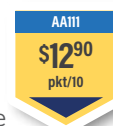
GLUE GUN

Trigger action glue gun dispenser. Uses 7/16" / 11mm diameter glue sticks.



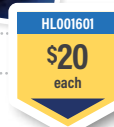
HOT MELT GLUE STICKS, 30CM, PKT/10

30cm glue refills suitable for most surfaces. Bonds Quickly. Pack of 10.



DRINKING BIRD

Shows cooling process of evaporation.

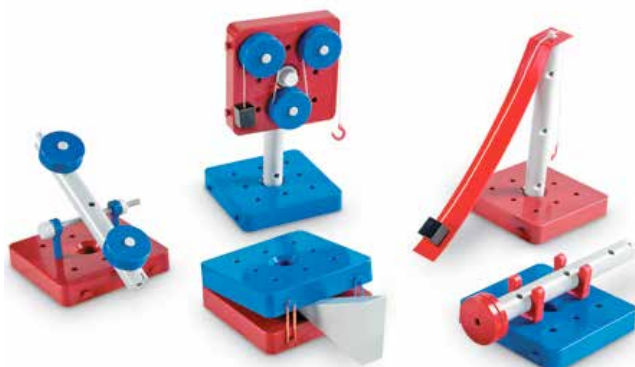


SIMPLE MACHINES SET

63 PIECES, BUILD ALL 5 MACHINES AT THE SAME TIME!

Construct, examine and explain simple machines to develop a deeper understanding of how they make work easier.

Contains enough pieces to build a lever, pulley, inclined plane, wheel and axle, and wedge—all at the same time. Modify machines with 4x weights (2x 5g and 2x 10g) and 8 included rubber bands to explore effort, force, load, motion and distance. Labeled pieces assemble easily and separate to store.



METALS TEST KIT

BEST SELLER

Test for magnetism, heat, conductivity, hardness etc.

- 12 pieces, each stamped for identification

PH0798A
\$19⁵⁰
each



BALL & RING APPARATUS

BEST SELLER

Demonstrate the expansion and contraction of metal.

Brass - Gravesande's

0200001
\$21⁹⁰
each



COMPASS, POCKET

MA0140
\$8⁶⁰
each

Pocket Compass, 45mm dia., a format compass in aluminum case, marked in degrees, with N and S indication. Suitable for use as a plotting compass or for normal application. Colour of string may be different.



ELECTROSTATIC STICK

Slide the rubber sleeve along the clear plastic stick and watch the foam balls fly. A vivid demonstration in electrostatics. 30cm long.

ES001

\$32⁸⁰
each



NEWTON'S CRADLE, LARGE

Demonstrate the conservation of momentum and energy via a series of swinging spheres. Ask students to explain what's going on. Extra large size.

Dimensions 180(l) x 150(w) x 190(h) mm.

YRSC417

\$35
pack



MAGNET VARIETY TEST PACK

13 MAGNETS

A kit of magnets and accessories in a compartmental storage tray. Contents :

- 1x Horseshoe magnet, 6% chrome, 100mm, w/keeper
- 2x Ceramic bar magnets 75mm
- 3x Ceramic ring magnets, 38mm dia., face polarised
- 2x Plotting compasses, 19mm dia.
- 1x Pack Iron Filing.
- 1x square iron
- 1x aluminium
- 1x zinc
- 1x copper metal

PH0800
\$39
pack



RADIOMETER

Experience this sphere powered by the sun! The vanes in the Radiometer alternate in dark and light colors. When the light strikes these vanes it transfers heat to each one, but not at the same degree. The lighter vane reflects the rays and the darker vane absorbs the rays.

101800

\$38
each



PLASMA BALL

- Electrical current flows through negatively ionised gas to create the illusion of lightning
- Black back cover for increased lightning visibility
- Approx 20cm diameter
- Reacts to sound
- Lasts for up to 1000hrs

G221

\$65
each



BINOCULARS

Full size, plastic body.

- Eyepiece with Rubber Cushion
- Sensitive Focus Knob
- 35mm Ø Objective Lens
- Safety Neck Strap

BN-63501

\$25²⁰
each





HAINES

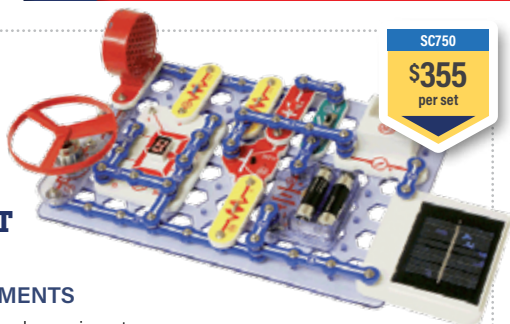
Visit our website www.haines.com.au

Over 80 components

SNAP CIRCUIT - EXTREME

OVER 750 EXPERIMENTS

- 70 computer interfaced experiments
- Study projects in solar power, electro-magnetism & vibration switches
- Uses 4 "AA" batteries
- Includes projects manual



SC750

\$355
per set

BEST SELLER

Over 60 components

SNAP CIRCUIT - SUPER

OVER 300 EXPERIMENTS

The components and connector system are creatively designed to facilitate and optimize learning by engaging students in a meaningful way with exciting projects.

Includes electronic projects book and guide.



SC300

\$175
per set

SNAP CIRCUITS 300 EDUCATIONAL VERSION

300 electronic projects kit. With student and teacher guides, and a storage case.



SC-300R

\$295
per kit

SNAP CIRCUITS 750 EDUCATIONAL VERSION

750 electronic projects kit. With student and teacher guides, and a storage case.



SC-750R

\$475
per kit

SNAP CIRCUIT - JUNIOR

OVER 100 EXPERIMENTS

- Uses 2 "AA" batteries
- Includes projects manual.
- Ideal for years 6-9

Over 30 components



P190

\$89
per set

SNAP CIRCUITS - GREEN ENERGY

Learn the basics of electronics and modern alternative energy. Explore clean energy concepts, such as electric cars, windmills, and hand-generated power. Includes full-color manual and separate "Think Green" manual that explains environmentally-friendly energy including geothermal, hydrogen fuel cells, wind, solar, tidal, hydro, and others. Perfect for environmentalists and future engineers!

Over 125 experiments & 45 parts



SC125

\$175
per set

BUZZ WIRE KIT

Learn how to connect an electric circuit. Design different wire shapes with varying levels of difficulty. The aim is to move the metal wand along the wire maze, from one end to the other, without actually touching the wire.

Includes:

- Plastic platform
- Plastic accessories & metal plugs
- Electric buzzer
- Insulated electric wire
- Bendable metal wire
- Instructions
- AA size Battery holder (Batteries not included)



G232

\$29⁵⁰
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

\$44⁵⁰
each

MINERALS SET, 20 PC

Samples of minerals all clearly labelled. In a neat wooden case (21x13cm). Asbestos free.

S120
\$59
per set



MINERALS SET, 20 PC

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

Size: 30 x 15 x 12.5cm



540
\$85
each

FRACTURES, FAULTS & DISLOCATIONS MODEL

Excellent way to illustrate various structures related to fault planes and fractures. Shows cross section of five different structural features. The features are labeled and a numbered key is printed on the base.

Size: 47.5(L) x 30(D) x 22.5cm(H)



B582
\$195
each

QUADRAT GRID 50 X 50CM, 10CM GRID

Quadrat Grid-50x50 with 10cm squares. For taking population survey on flat terrain. Size: 50 x 50cm with 10cm grid size. Stainless steel PVC Coating.



B118
\$36⁹⁰
each

ORBITOR MODEL, WITH LIGHT

Model demonstrates daylight, night, seasons and phases of moon. Sun, earth and moon revolve around one another on this gear driven model. Sun is 15cm in diameter. An illustrated guide is included.



B750
\$179⁵⁰
each

ROCKS SET, 49 PIECE

Samples of igneous, metamorphic and sedimentary rocks. All clearly labelled. Rocks are stored in a neat wooden case (29x21cm). Asbestos free.

S110
\$119
per set

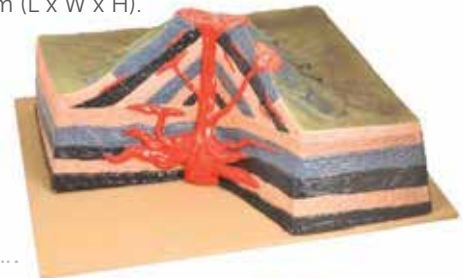


VOLCANO MODEL

Section showing flow of magma. Made of unbreakable material, coloured. Showing vertical section for students to view the path that magma takes on its upward course. Mounted on base and numbered with English Key Card.

Size: 420 x 406 x 203mm (L x W x H).

B588
\$185
each



POLITICAL (GEOGRAPHICAL) GLOBE

Perfect desktop swivel globe for the classroom. 2-piece construction with a sturdy base.

Size: 28cm diameter

GE007
WAS **\$39⁹⁰**
NOW **\$32**
each



SIEVE, SET/3

Soil is made up of a range of particles from fine clay/silt to coarse sand and gravel. These particles can be separated and identified with the aid of mesh screens. Sorting sieves, mesh size: 5 (4mm), 10 (2mm) and 60 (0.25mm).

HM-6
\$89⁸⁰
set/3



SOLAR SYSTEM MODEL, WITH LIGHT

This 3D model allows students to study our solar system. Planets can be set by month to show their relative positions.

The 15cm sun is supported on a sturdy base with the outer most (dwarf) planet being 45cm from the sun. An illustrated guide is included with planet position tables.



B740
\$180
each

MAS-00819

\$110
each



ANALOG WEATHER STATION

Indoor analog weather station with attractive blue face and stainless steel housing. Includes thermometer, barometer and hygrometer for complete weather analysis. Wall mountable with a 19cm face diameter.



SECCHI DISC

200mm disc in four quadrants. Weighted and includes 20m of line. Determine water clarity.

G513

\$59
each

GENERAL FOSSIL COLLECTION

The General Fossil Collection is perfect for illustrating the major life forms present throughout geologic history. These 15 fossils are a great way to visually introduce students to life forms from the prehistoric era, along with a geologic timeline included with the collection to match the fossil with the era.



3005

\$59
each

BACKPACK LAB WATER QUALITY EDUCATIONAL TEST KIT

HANNA chemical test kits and pocket testers provide teachers with a valuable tool in helping students assess the water quality of streams, rivers and lakes.



HI3817BP

\$962⁵⁰
each

CLOUD BOTTLE

Amaze students with this easy to perform cloud demonstration. Add a few drops of water inside the bottle, add pressure. When you lift the lid a cloud will form inside the bottle.

A thermometer strip records the temperature changes during the demonstration. 26cm tall.



P534

\$35⁸⁰
each

AUSTRALIAN EARTH SCIENCES BUNDLE BY TESEP

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.



PLATE TECTONICS POSTER

Shows a 3D Earth cross section with Australia-relevant plate tectonics highlighting man's utilization of Earth resources (cities, mines, energy networks), geo-hazards and water/rock cycles.



Plate Tectonics: The reason for the Challenging Earth



T339

\$415
bundle