

WHAT'S NEW?

GREAT PRODUCTS AT LOW PRICES!

VOLUME 2, EDITION 6, 2018

MULTI-FUNCTION MULTIMETER AND ENVIRONMENT METER

A multi-function environment meter that combines the functions of a:

- Sound level meter
- Light level meter
- Indoor temperature and humidity measurement
- Non contact voltage



NEW

SPECIAL!!
WAS \$ 129

QM1594
NOW \$99
kit

GLASS JAR WITH SCREW TOP LID

NEW

- 120ml capacity. 61mm (diameter) x 65mm (height).
- ABS screw top lid.
- Sort all your small fiddly lab items.
- Also ideal for storing small quantities of chemicals.



L980
\$1.10
CLEAR



L985
\$1.10
AMBER

RUBBER BAND POWERED PADDLE BOATS

G6467

\$15
each

Wind up this 15.3cm wooden boat and watch it zip across the water. The product consists of the wooden boat with paddle and 3 elastic bands to propel it.



NEW

LIGHT UP RAIL TWIRLER

Demonstrate the conversion of potential energy to kinetic energy and back again. The colorful wheel has a hidden LED light inside. As soon as the magnetic edges of the wheel touch the metal rails, the LED lights up - a perfect demo of open and closed circuits! Simply move the twirler up and down with a flick of your wrist to get the wheel spinning. Colors may vary.



Product size: 26 x 5.5 x 8 cm

NEW

G1057
\$9
each

TOBBIE HEXAPOD ROBOT KIT

Tobbie is the new 6-legged robot that you can build. He can walk and spin in any direction, and will beep and flash his eyes while moving around.

- Follow me mode
- Explore mode
- Six legs for stable walking
- Instructions included
- Stands 16cm tall

J9031
\$49
each

NEW



PULL BACK CAR

This simple and fun demonstration teaches how torque, speed, and friction can influence the distance an object travels. So many interesting physics concepts can be taught. Approx. 6.5 cm long. Styles may vary.

Made from predominately die cast metal and some plastic and rubber.



G352

\$5
each

NEW

WIRELESS WEATHER STATION

MEASURE UP TO 9 PARAMETERS, INCLUDING UV

A professional grade weather station coupled with a 7 colour LCD that will measure almost anything planet earth can throw at it. It's capable of displaying temperature, wind speed, wind direction, wind chill, barometric pressure, dew point, rainfall, light levels and even UV levels! Readings are transmitted wirelessly to a base station.



NEW

XC0370
\$299
each

12 IN 1 SOLAR HYDRAULIC ROBOT KIT

Here's a kit that's easy to build, and a great way to learn about solar power and hydraulics. There's 12 different models to build, including a crocodile, T-Rex, elephant, monkey, ostrich, scorpion, excavator and forklift.



NEW

J9030
\$39
each

FIREFLY

Launch the firefly to incredible heights with the included launcher. It spirals back to earth with its unique fin design. Non replaceable batteries included. It is an educational exercise in understanding the effect of movement and air.



NEW

G8125
\$6
each

20MHZ USB OSCILLOSCOPE

An inexpensive USB CRO. Connect this unit to your computer and away you go! Use the included software to provide just about all standard oscilloscope functions, and even output waveforms to excel/word files. Software, probes and leads included. About 20cm wide.

- USB interface plug & play
- Automatic setup
- Waveforms can be exported as Excel/Word files
- Spectrum analyser (FFT)
- External trigger input
- Cursor measurements
- Operating Systems: Windows 2000/XP/Vista/7/8/10



NEW

P929
\$199
each

RAINBOW LED LIGHT WAND

There is no wand more magical than this! Hold a rainbow in your hands and watch as the colourful lights spread their luminous glow throughout the room in a sequence of magical patterns.

Press yellow button to turn on. Push yellow button again to move to the first pattern and so on. About 20cm long.



G052
\$5
each

NEW

Do you have a copy of our 2018 catalogue?

Or would you like another copy?
Please let us know by emailing
sales@haines.com.au



A new integrated Earth Sciences teaching pack centred around an Australia-relevant **Rock Kit** and **Plate Tectonics Poster**.

AUSTRALIAN ROCK KIT FOR SCHOOLS BY TESEP



NEW

T392
\$285
ex GST per kit

BEST VALUE!



The kit comes nicely boxed, one box for each rock type (igneous, metamorphic, sedimentary)



Indicative sample size.

One of the best rock kits available anywhere in the world and assembled by a dedicated team of TESEP geoscientists.

This kit comprises of three large rock sets, totalling 29 pieces, especially designed for Australian schools as part of the Teacher Earth Science Education Programme (TESEP). Includes one free rock kit professional development session (PD), to be taken in 2018, for one teacher (valued at \$55), plus access to online support and extension material once a PD is attended. The PD can be a face-to-face event or an online webinar. Please visit www.tesep.org.au for details.

Purchase this set of 10 igneous, 9 metamorphic and 10 sedimentary rocks that are all:

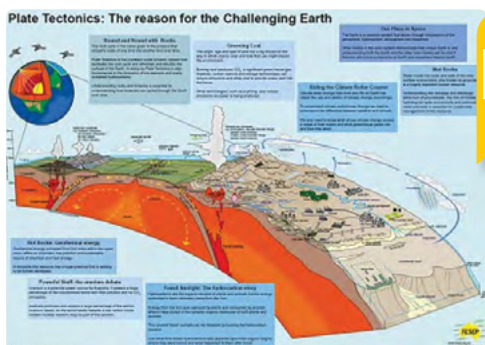
- Large palm sized samples so key features can be studied
- Completely safe, free from asbestos, asbestos-like minerals and other toxic materials. Each rock sample has been inspected by TESEP geoscientists.
- Guaranteed to be what we say they are.
- Labelled with numbers with a list to ensure you always know which is which
- 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 teacher), 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: 350 x 270mm x 100mm (W x D x H) each of 3 boxes. Note: The rock kits are bulky and their delivery may incur additional freight charges.



P226
\$30
ex GST each

NEW

PLATE TECTONICS POSTER BY TESEP



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. Rock type locations are linked to the TESEP Australian Rock Kit (see item T392). The poster shows the genesis of different rock/mineral/energy resources and has links to geo-stories/3D microscope rock thin section photos/3D virtual field sites across Australia.

Soft laminated. Size: 84cm x 60cm (A1)





HAINES

LIGHT MODULATOR

NEW



P359

\$99

ex GST

A simple and revealing demonstration of the interaction of waves. We assume that light and sound are different kinds of wave, but it is not so! The two can interact, modulate, and create interesting and important effects. Opens up a whole new area of discovery. Safe, easy to set up, ideal for student use and research projects.

A must have for every school!

- Transmit sound from your phone on a light beam
- Make light audible, speak on a sunbeam, produce a laser show
- Demonstrate cutting-edge fibre optics communication, molecular kinetic theory & persistence of vision
- Teach serious physics: Amplitude modulation, AC vs DC, the Inverse square law
- Instruction sheets included.

Visit the link below for more information.

<https://www.youtube.com/watch?v=quO5YUsfn9c>



Transmit sound (from your mobile/tablet device with an earphone jack) via a light beam and hear it from the speaker. Block the light beam and see what happens...student will be amazed!

Explore modulation, a concept first studied by Graham Bell, the inventor of the telephone, back in 1880.



HAINES

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HAINES NOW SELLS CHEMICALS

Check out our catalogue for details. Contact us if you haven't already received one.