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Science & Lab Equipment 2017

Labware

Forces & Simple Machines

Electricity Resources

Human Anatomy & Skeletons



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new

Bulk pack
\$429⁹⁵
SAVE \$133.15

Borosilicate Glass Beakers Bulk Pack

EISKIT4 Bulk Pack \$429.95

Top quality glassware for the lowest prices! These beakers are made of borosilicate glass, graduated with spout. Great durability and heat resistance. A total of 240 glass beakers. Included in this bulk pack:

- 48 beakers of 50ml
- 48 beakers of 100ml
- 48 beakers of 150ml
- 48 beakers of 250ml
- 48 beakers of 500ml



new

Bulk pack
\$389⁹⁵
SAVE \$147.60

Erlenmeyer Flasks - Glass - Bulk Pack

EISKIT6 Bulk Pack \$389.95

Stock up on glassware! These Erlenmeyer flasks are made of borosilicate glass and have a narrow neck. A total of 84 glass Erlenmeyer flasks.

Included in this bulk pack:

- 12 flasks of 50ml
- 12 flasks of 100ml
- 12 flasks of 500ml
- 12 flasks of 1000ml
- 36 flasks of 250ml





Resource features and information

new

New in 2017


 Magnetic

 Includes Storage


 Curriculum Link


exclusive


Exclusive to MTA

 Locally Made

 Download the App

 Art Activity

 Green Choice

 Machine Washable

SF Soft Fall required

 Made using responsibly sourced materials

90cm (W)
60cm (D)
60cm (H) Size of product

3+ Recommended ages

CD CD included



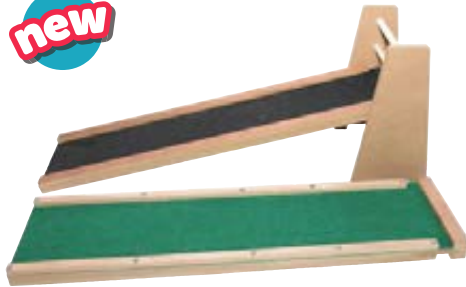
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Valid until 31st December 2017. Promotional value excludes GST & freight. *Offer excludes export & new projects.

Super Buys

new



Slopes, Halls Cars & Weights Kit

TTS7018-K Each \$159.95

Reinforce concepts like friction, gravity, speed, velocity, distance and much more with this slope, Hall's Cars & Weights kit. This set includes 1 of each:

- Slope Kit with 2 Double-Sided Boards (TTS7018)
- Hall's Car Pair for Dynamics Experiments (EIS0351A)
- Plastic Weights - Set of 54 (NK1109)

~~\$200.85~~
NOW ONLY \$159.95
 SAVE \$40.90

new

Build over 15 machines at the same time



Hydraulic Classroom Pack

SN6717 Pack \$299.95

This large hydraulic classroom pack ensures that you only need scissors, glue and cardboard to get the class inventing with parts for 30 students in pairs to build over 15 machines with an average of 4 pistons per machine.

World Globe Class Set

FD36833	Set of 13	\$174.95
FD36830	Small Desk Globe - Each	\$18.95
FD36830-6	Small Desk Globes - Set of 6	\$99.95
FD36899	Large Desk Globe - Each	\$42.95
FD36899-4	Large Desk Globes - Set of 4	\$149.95

With this set, students can have their own globe on their desk while the teacher demonstrates subjects like geography and the environment on the large globe. The set (FD36833) consists of 1 large globe (FD36899) and 12 small globes (FD36830). Both globes consist of 2 pieces and show up-to-date geographical maps. Sizes: large globe is 28cm in diameter, the small globe is 13cm in diameter.

~~\$270.35~~
NOW ONLY \$174.95
 SAVE \$95.40



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Super Buys

new



Human Anatomy & Skeleton Class Pack

LER6044K \$899.95

This kit is perfect to teach students about the human body, our skeleton and bones, organs and muscles. Included is one real life size unisex human torso (NK0306), 6 student sized anatomy models (FD0278), one life size skeleton model (FD160), and one of each of the charts: organs, muscular system and skeletal system (EC0100K).

~~\$1,124.40~~
NOW ONLY \$899⁹⁵
 SAVE \$224.45

new

~~\$431.90~~
NOW ONLY \$339⁹⁵
 SAVE \$91.95



Aquaponic Flower Tower Kit

RGP0020K \$339.95

Demonstrate how aquaponics work both indoors and outdoors. The kit includes one large outdoor Aquaponics Flower Tower (RGP0020), one indoor Aquaponics system (PNP501) and two of each of the seed packs: Curled Parsley (DTB2231), Nasturtium Flower Seeds (DTB0306), Heartsease Johnny Jump Flower Seeds (DTB2457), Chives (DTB2705) and Sweet Basil (DTB2702).

new

~~\$837.00~~
NOW ONLY \$599⁹⁵
 SAVE \$237.85



Electricity Class Kit

EIS2010K \$599.95

These electricity class kits are designed as an alternative to the 'circuit-boards' to teach introductory electricity. The kits include well structured instructional material and robust components mounted on tough, plastic bases, each with 4mm sockets. Each of the sets is packed in polystyrene trays for protection. This set consists of one of each of the sets: Basic Electricity A, B, C and D (EIS2010, EIS2011, EIS2011 and EIS2014). A total of 321 pieces, including battery holders, motors, buzzers, leads, crocodile clips, switches and much more! For a full list of components, please refer to page 35.

Super Buys

Makerspace Technology Pack - Upper Primary / High School

MS600K \$4,289.90

This Technology Pack will take coding and programming to the next level. The robots can be used by students from an intermediate to advanced level in programming and coding. Students can program their drone or build projects with the littleBits Arduino Kit. A wide variety of platforms will create a strong knowledge base for jobs of the future.

Kit includes

- 1x Makey Makey (MKK001)
- 2x CoDrone (CDR001)
- 2x Edison V2.0 (EDM001-V2)
- 2x LEGO Education EV3 (LEG45544-1)
- 2x Makeblock Ultimate Bot V2.0 (MB90040)
- 1x littleBits Arduino Starter Set (LIB606)

~~\$4,564.90~~
NOW ONLY
\$4,289⁹⁰
 SAVE
\$275.00



~~\$1,583.20~~
NOW ONLY
\$1,429⁹⁰
 SAVE
\$153.30

Makerspace Circuits Kit

MS110K \$1,429.90

Learn about circuits with different digital systems. This set includes Makey Makey, littleBits and Click Electronics to understand how circuits work. Real-life models can be rebuilt to visualise the concept.

Kit includes

- 5x Makey Makey (MKK001)
- 1x littleBits STEAM Student Set (LIB847)
- 1x littleBits Logic Modules - Set of 6 (LIB800K)
- 2x Click Electronics Extreme Kit (NK1006)

Light, Colour, Refraction & Reflection Kit

ESC007P \$439.90

Learn everything about colour mixing, rays of light, reflection and refraction! This kit is a great collection of resources to learn about focal points, angles of light rays and much more.

Kit includes:

- Optical bench
- Glow in the dark LED torches - Set of 12
- Newton colour mixing model
- LED ray box
- Acrylic blocks - Set of 7
- Glass lenses - Set of 6
- Refraction tank - Set of 4
- Wooden lens holder - Set of 4
- Refraction & reflection demonstration model
- Mounted mirrors - Set of 10
- Colour paddles - Set of 15

~~\$714.50~~
NOW ONLY
\$439⁹⁰
 SAVE
\$274.60



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Beaker – Glass

EISKIT4 new	Bulk Pack	\$429.95
EIS11015	50ml - Pack of 12	\$25.95
EIS11011	100ml - Pack of 12	\$29.95
EIS11010	150ml - Pack of 12	\$32.95
EIS11012	250ml - Pack of 12	\$33.95
EIS11013	500ml - Pack of 6	\$35.95

These beakers are made of borosilicate glass, graduated with spout. Great durability and heat resistance. The bulk kit includes 36 beakers of each volume, a total of 180 beakers.



Bulk pack
\$429⁹⁵
SAVE \$133.15

Erlenmeyer Flask Borosilicate Glass

EISKIT6 new	Bulk Pack	\$389.95
EIS0424C	50ml - Pack of 12	\$38.95
EIS0424D	100ml - Pack of 12	\$48.95
EIS0424F	250ml - Pack of 12	\$53.95
EIS0424G	500ml - Pack of 6	\$53.95
EIS0424H	1000ml - Pack of 6	\$89.95

These Erlenmeyer flasks are made of borosilicate glass and have a narrow neck. They are used for mixing liquids. The bulk pack includes 12 flasks of 50ml, 100ml, 500ml and 1000ml, and 36 flasks of 250ml, a total of 84 flasks.



Bulk pack
\$389⁹⁵
SAVE \$147.60

Boiling Flask Glass – Round Bottom

EISKIT7 new	Bulk Pack	\$299.95
EIS0402E	250ml - Pack of 12	\$49.95
EIS0402F	500ml - Pack of 6	\$45.95
EIS0402G	1000ml - Pack of 6	\$87.95

These boiling flasks have a round bottom and narrow neck. They are useful for performing mixing, heating, distillation, cooling, precipitation, condensation and other processes. The bulk pack includes 24 flasks of 250ml and 12 flasks of 500ml and 1000ml, a total of 48 flasks.



Bulk pack
\$299⁹⁵
SAVE \$67.75

Boiling Flask Glass – Flat Bottom

EISKIT5 new	Bulk Pack	\$399.95
EIS0410C	100ml - Pack of 12	\$46.95
EIS0410E	250ml - Pack of 12	\$69.95
EIS0410F	500ml - Pack of 6	\$55.95
EIS0410G	1000ml - Pack of 6	\$95.95

These boiling flasks have a flat bottom and narrow neck, which allows them to stand on a level surface. They are useful for performing mixing, heating, distillation, cooling, precipitation, condensation and other processes. The bulk pack includes 24 flasks of 250ml and 12 flasks of 500ml and 1000ml, a total of 72 flasks.



Bulk pack
\$399⁹⁵
SAVE \$137.65

Graduated Cylinder Glass

EISKIT8 new	Bulk Pack	\$499.95
EIS0344A	10ml - Pack of 2	\$8.50
EIS0344A1	25ml - Pack of 2	\$9.95
EIS0344B	50ml - Pack of 2	\$11.50
EIS0344C	100ml - Pack of 2	\$14.50
EIS0344D	250ml - Pack of 2	\$19.95
EIS0344E	500ml - Pack of 2	\$17.50

These graduated cylinders are made of borosilicate glass and have a round base with spout. They are used for measuring liquids and chemicals for use in reactions. The bulk pack includes 4 cylinders of 10ml and 25ml, 8 cylinders of 50ml, 24 cylinders of 100ml and 250ml and 12 cylinders of 500ml, a total of 76 cylinders.



Bulk pack
\$499⁹⁵
SAVE \$101.35

Separating Funnel

EIS0479C	250ml	\$29.95
EIS0479D	500ml	\$37.95

Borosilicate glass with interchangeable plastic stopper and PTFE Key stopcock. The 250ml funnel has a socket size of 19/26, the 500ml funnel has a socket size of 24/29.



Clear Dropping Bottle

EIS0194B	50ml	\$7.50
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Clear borosilicate glass dropping bottle.





Distilling Flask with Side Arm

EIS0416A	100ml	\$7.20
EIS0416B	250ml	\$11.95
EIS0416C	500ml	\$12.95

Borosilicate glass, round bottom, with side arm.

From only
\$8.48
each flask

Volumetric Flask - Glass

EIS0448D	50ml	Pack of 2	12/21	\$16.95
EIS0448E	100ml	Pack of 2	14/23	\$16.95
EIS0448G	250ml	Pack of 2	14/23	\$22.95
EIS0448H	500ml	Pack of 2	19/26	\$26.95
EIS0448I	1000ml	Pack of 2	24/29	\$38.95

Made of borosilicate glass, florence. These flasks have a flat bottom and narrow neck with beaded rim. DIN 12347. Fitted with chemical resistance propylene stopper.



Boiling Flask – Pear Shaped 50ml

EIS0406B	14/23	\$11.95
EIS0406C	19/26	\$11.95

Borosilicate glass pear shaped boiling flask with short neck and interchangeable joint. Available in two socket sizes: 14/23 and 19/26.



Pack of
10

Watch Glass – 9cm

EIS0554D	Pack of 10	\$10.50
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Used as a surface to evaporate liquids, holds solids while being weighed or to cover a beaker glass.

Burette Acrylic – 50ml

EIS0233B	\$16.95
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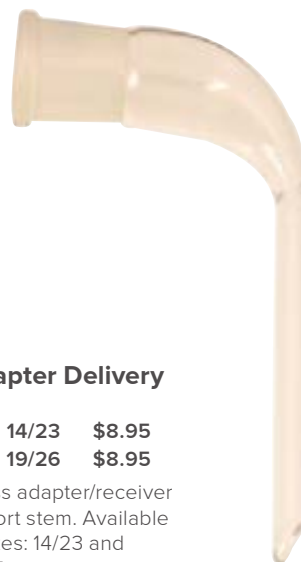
The acrylic body is unaffected by dilute minerals acids and bases, except hydrofluoric acid and ammonium hydroxide. With transparent acrylic body and leak-proof PTFE plunger stopcock. 50ml with 0.10ml graduation.



Adapter Socket with T Connection

EIS0833A	14/23	\$11.95
EIS0833D	19/26	\$11.95

Borosilicate glass adapter socket to cone with T connection. Available in two sizes: socket 14/23 and cone 14/23, or socket 19/26 and cone 19/26.



Receiver/Adapter Delivery – 65mm

EIS0830A	14/23	\$8.95
EIS0830B	19/26	\$8.95

Borosilicate glass adapter/receiver delivery with short stem. Available in two socket sizes: 14/23 and 19/26. Length 65mm.



Adapter Thermometer Cone/ Screw Thread

EIS0835A	14/23	\$8.95
EIS0835B	19/26	\$8.95

Borosilicate glass adapter Cone/ Screw thread. Straight, with an acceptable diameter through the screw cap of 6-7mm. Perfect for use with thermometers. Available in two socket sizes: 14/23 and 19/26.



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new

Plasticware Classroom Value Kit

EISKIT3 \$499.95

Stock up on your most used plasticwares with this value pack!

~~\$728.25~~
\$499.95
SAVE \$228.30



Kit includes

- 50 graduated beakers in 5 volumes (10 each of 50ml, 100ml, 250ml, 500ml and 1000ml)
- 30 graduated measuring jugs in 3 volumes (10 each of 250ml, 500ml and 1000ml)
- 70 graduated cylinders in 7 volumes (10 each of 10ml, 25ml, 50ml, 100ml, 250ml, 500ml and 1000ml)
- 15 wash bottles in 3 volumes (5 each of 125ml, 250ml and 500ml)

Graduated Beaker – Polypropylene

EIS137E	Set of 5	\$17.95
EIS0137A	50ml	\$1.75
EIS0137B	100ml	\$2.10
EIS0137C	250ml	\$2.95
EIS0137D	500ml	\$3.50
EIS0137E	1000ml	\$8.50

Raised graduations on the outer surface with tapered spout. A valuable tool for measuring volume class. The set of 5 (EIS137E) consists of 50ml, 100ml, 250ml, 500ml and 1000ml.



Set of 3
\$9.95
SAVE \$1.65

new

Graduated Measuring Jug - Polypropylene

EIS0356K	Set of 3	\$9.95
EIS0356A	250ml	\$2.95
EIS0356B	500ml	\$4.05
EIS0356C	1000ml	\$4.60
EIS0356DM	2000ml	\$5.60

These polypropylene, clear and autoclavable measuring jugs have good chemical resistance. They come with handle for easy lifting and pouring. The kit includes one of each of the 250ml, 500ml and 1000ml jugs.



Set of 7
\$27.95
SAVE \$4.65

Graduated Cylinder - Polypropylene

EIS0354K	Set of 7	\$27.95
EIS0354A	10ml	\$1.95
EIS0354B	25ml	\$2.15
EIS0354C	50ml	\$2.60
EIS0354D	100ml	\$2.95
EIS0354E	250ml	\$4.60
EIS0354F	500ml	\$6.85
EIS0354G	1000ml	\$11.50

These hexagonal cylinders are made of polypropylene. Single piece, autoclavable, graduated and with excellent contact clarity. Base provides good stability. EIS0354K includes one of each.

Set of 3
\$7.50
SAVE \$2.15

new

Wash Bottles - Polypropylene

EIS0180K	Set of 3	\$7.50
EIS0180A	125ml	\$2.20
EIS0180B	250ml	\$2.95
EIS0180C	500ml	\$4.50

Polyethylene, translucent & unbreakable. Graduated Wash bottles with delivery tube. The cap is fitted with a flexible polyethylene delivery tube which can be aimed wherever required. The kit includes one of each of 125ml, 250ml and 500ml.



Measuring Containers

DM1033 Set of 18 \$42.95

Long lasting measuring containers with wide mouths for easy measuring. The set contains 10 x 100ml, 5 x 200ml, 2 x 500ml and 1 x 1 litre containers.



Set of 3
\$7.50
SAVE \$2.50

new

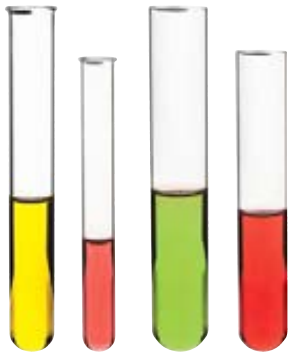
Reagent Bottle - Polypropylene

EIS0172K	Set of 3	\$7.50
EIS0172B	125ml	\$2.95
EIS0172C	250ml	\$3.10
EIS0172D	500ml	\$3.95

Ideal school reagent bottles made from rigid and leak-proof polypropylene. Perfect for the storage of chemicals in liquid or powder form. The kit includes one of each of the 125ml, 250ml and 500ml reagent bottles.



new



Test Tubes

EIS0716R	With Rim - 16x150mm - Set of 48	\$24.95
EIS0718R	With Rim - 18x150mm - Set of 24	\$14.95
EIS0725R	With Rim - 25x250mm - Set of 24	\$29.95
EIS0716WR	Without Rim - 16x150mm - Set of 48	\$24.95
EIS0718WR	Without Rim - 18x150mm - Set of 24	\$14.95
EIS0725WR	Without Rim - 25x250mm - Set of 24	\$29.95

These borosilicate glass test tubes are available with and without rim and in different sizes. The wall thickness is 1.2mm.

new



Test Tube with Screw Cap

EIS0724-24	16 x 125mm - Set of 24	\$32.95
EIS0724-12	25 x 150mm - Set of 12	\$21.95

These borosilicate glass test tubes has a Bakelite screw cap and rubber liner.

Set of **10 & 30**

Set of 30
\$39.95
SAVE \$4.90



Test Tube Brush

EIS0204C-10	Set of 10	\$14.95
EIS0204C-30	Set of 30	\$39.95

Brush for easy cleaning of test tubes. It is 10cm long.



Test Tube Stand Polypropylene

EIS0694B	Each	\$6.15
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Polypropylene, autoclavable and has 6 place racks supported by 2 columns. It has six vertical pins for drying tubes. Colour may vary. Illustrated test tubes sold separately.



Test Tube Stand

EIS0708B	1.6cm dia x 31 Tubes	\$9.50
EIS0708J	1.8cm dia x 12 Tubes	\$4.95

Polypropylene and autoclavable, with 3-tier design. It provides a clear view of the tube contents & convenient insertion and removal of the tubes.



Drying Rack

NK3001	\$35.95
--------	---------

This drying rack can dry up to 28 test tubes at the time. It comes with a plastic tray to catch the water.



Super-Safe Eye Droppers

LS446	Pack of 12	\$21.95
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A durable shatterproof dropper made of clear plastic with a rubber bulb. Pack of 12 each measuring 8.5cm long. Ages 5+ years

Disposable Pipette – 3ml

EIS0005	Each	\$0.95
EIS0005K	Set of 10	\$7.95

Illustrated beaker not included.

Set of 10
\$7.95
SAVE \$1.55



Pack of **10**

Syringes Plastic

EIS0356D	10ml	Pack of 10	\$3.75
EIS0356F	50ml	Pack of 10	\$18.95

Durable, graduated plastic syringes.



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Bunsen Burner Start-Up Kit

EIS0093K With LPG Bunsen Burner \$43.95
 EIS0093K2 With Natural Gas Bunsen Burner \$43.95

This Bunsen burner start-up kit is a perfect lab resource. Each kit comes with one Bunsen burner compatible with LPG (EIS0093H) or natural gas (EIS0093H-NG), a rubber tubing for the Bunsen burner, a wire gauze and tripod stand. Other illustrated accessories not included.

~~\$49.10~~
\$43⁹⁵
 SAVE \$5.15



Bunsen Burner with Flame Stabilizer

EIS0093H LPG \$24.95
 EIS0093H-NG Natural Gas \$24.95

This is a very good quality bunsen burner for school and general lab use. Rotatable air hole to control flame size/heat. Base diameter is 8.5cm and overall height is 13cm. Tube diameter is 1.4cm.



Safer design

Bunsen Burner with Safety Handle

EIS0093QP-NG Natural Gas \$25.95
 EIS0093QP-L LPG \$25.95

These Bunsen burners are perfect for primary schools. The base is designed in a way that students can't tip over the burner, and the additional safety handle makes it possible to lift it like a candle. This overcomes the problem that students want to pick it up from the top, which can be very hot. Available in natural gas and LPG.

Features

- Square base with extended legs for more stability
- Easy carry handle enables moving the burner without touching any hot parts
- Less chance of tipping over



Wire Gauze
 NK1502 \$2.15

Wire gauze for use with Bunsen and Tripod. Ceramic centre. Gauze is 12cm square.



Rubber Tubing for Bunsen Burners
 EIS0100A \$12.50

Neoprene rubber tubing, recommended for use with bunsen burners. With reinforced ends for easy and sturdy connection.



Set of 10

Porcelain Evaporating Basins

NK0048K 50mm - Set of 10 \$9.95
 NK0055K 150mm - Set of 10 \$16.95

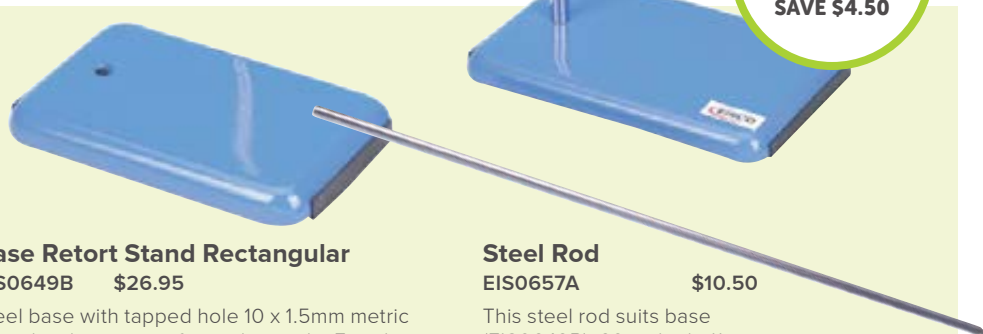
Glazed porcelain basins that can be used as evaporating basins when studying changing states of matter. Round bottom with spout. NK0048 has a 7cm rim diameter. NK0055 has a 10.4cm rim diameter.

Base & Steel Rod Retort Stand Kit

EIS0649K \$32.95

This kit includes one base (EIS0649B) and one rod (EIS0657A).

~~\$37.45~~
\$32⁹⁵
 SAVE \$4.50



Base Retort Stand Rectangular

EIS0649B \$26.95

Steel base with tapped hole 10 x 1.5mm metric thread in the centre of one short side. Fitted with rubber feet. Size: 20(L) x 12.5(W)cm, 1200g.

Steel Rod

EIS0657A \$10.50

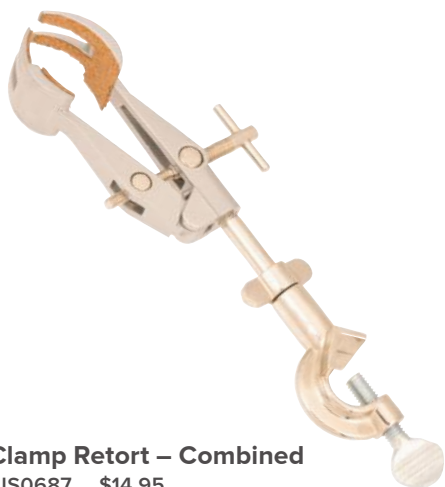
This steel rod suits base (EIS0649B). 60cm high, 11mm in diameter.

Tripod Stand – Triangular

EIS0645A \$9.50

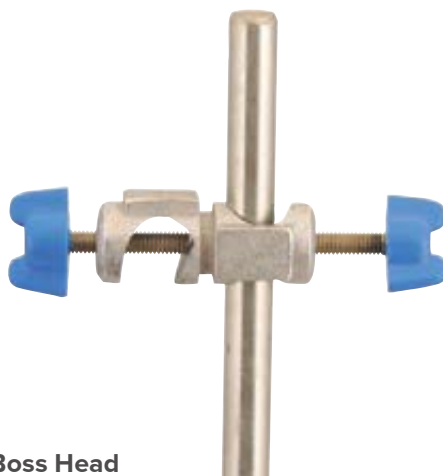
This tripod stand will be a valuable resource in your science classroom. It has splayed, steel legs for greater stability and easy access along with a cast iron top. Excellent for use with bunsen burner, wire gauze, beakers and evaporating basins. Each tripod side is 12cm long and the total height is 21cm.





Clamp Retort – Combined
EIS0687 \$14.95

Diecast alloy clamp retort, cork-lined jaws with boss head which accommodates rods up to 1.5cm diameter.



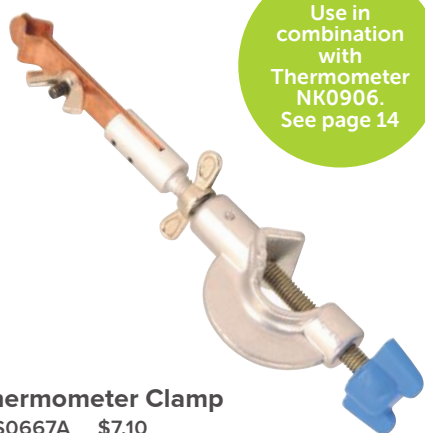
Boss Head
EIS0662 \$4.40

For use with laboratory stand, diecast alloy, accepts rod up to 1.6cm diameter, which are secured with nickel-plated brass tommy screws.



Ring Closed with Clamp
EIS0672B 7.5cm \$6.95
EIS0672C 10cm \$7.50

Accepts rods from 8mm to 12.5mm diameter. Distance is 14cm from centre of support to centre of ring.



Use in combination with Thermometer NK0906. See page 14

Thermometer Clamp
EIS0667A \$7.10

Adjustable 360° jaw rotation, for attaching to support rods up to 16mm in diameter. Overall length 14cm.

new

Lab Essentials Retort Stand & Clamps Kit - Basic
EISKIT1 \$54.95

A great starter pack for your science lab. This kit includes one of each: Retort stand with a base measuring 20 x 12.5cm and the rod measuring 60cm long and 11mm in diameter, a thermometer clamp, a retort clamp combined, a boss head, and a retort ring (7.5cm in diameter).



~~\$70.85~~
\$54.95
SAVE \$15.90



Burette Clamp – Double
EIS0258B \$18.95

This burette clamp is a double clamp with high strength allow casting jaws, for use in combination with a burette. Attach two burettes at the same time. The clamp can be used single handed, making it very convenient. Suitable for all burettes up to 100ml.

new

Lab Essentials Retort Stand & Clamps Kit - Large
EISKIT2 \$329.95

Stock up on the essentials for your school lab! This kit includes 4 of each:

- Retort stand (base is 20 x 12.5cm, rod is 60cm long and 11mm in diameter)
- Thermometer clamp
- Retort clamp combined
- Retort ring (7.5cm in diameter)
- Boss head
- Burette clamp - double
- Tubing for Bunsen Burner - 600mm
- Wire gauze
- Tripod stand (21cm high)

Includes 4 complete sets

~~\$455.80~~
\$329.95
SAVE \$125.85



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



**Crucible Tongs with Bow
– Stainless Steel**

EIS0735F \$6.95

General purpose tongs with bow and corrugated jaws. Used for handling of hot apparatus.



Beaker Tongs

EISBT001 \$7.95

For handling beakers from 50 to 2000ml capacity. Made of nickel-plated steel wire. Overall length is 23cm. Maximum jaw opening is 15cm.



Test Tube Holder

EIS0730 \$4.50

Plated spring steel wire holder with finger grip. The jaws will accept tubes up to 40mm diameter and their alignment is maintained by a wire collar.



Set of 25

Petri Dish

NK6604-25	90mm	25 Pack	\$10.95
NK6605-25	70mm	25 Pack	\$9.95

Plastic petri dish for studying microbes. Illustrated bugs not included.



Easy Grip Tweezers

LER1963 Pack of 12 \$25.95

These extra large (15cm) tweezers have a comfortable grip and are excellent for small hands. Supplied in assorted colours. A guide with suggested activities is included.

5+ yrs



Mortar and Pestle

EIS0540A \$4.10

Glazed mortar and pestle. Pestle is 11cm long. Mortar's rim diameter is 10cm, bottom diameter is 6cm and height is 4.5cm.



Filter Funnel Polythene

EIS0454K	Set of 3 funnels	\$4.95
EIS0454A	5cm	\$1.75
EIS0454C	7.5cm	\$1.95
EIS0454D	10cm	\$2.30

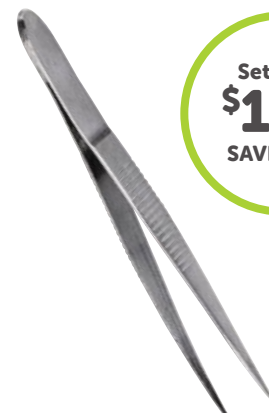
Polythene filter funnel. Unaffected by acid, alkaline etc. Set of three funnels consists of sizes 5, 7.5 and 10.5cm. Illustrated beaker not included.



Plastic Funnel with Handle

UB0144 Set of 3 \$6.95

Set of 3 plastic funnel. The smallest measures 60ml, 6cm top diameter and 6.5cm length. The middle sized funnel is 120ml, 8cm top diameter and 9cm in length. The longest is 250ml, 10cm top diameter and 11cm in length.



Set of 10
\$19.95
SAVE \$7.55

Tweezers

EIS5030-10	Set of 10	\$19.95
EIS5030	Each	\$2.75

Tweezers with bent head. Tweezers are 12.5cm long.


Filter Paper
EIS1392A Pack of 100 \$3.95

Qualitative filter paper, which can even separate tiny particles! Size: 5.5cm in diameter.


Litmus Paper Strips

EIS0236K	Kit - one of each	\$5.95
EIS0623A	Red Box of 100	\$3.95
EIS0623B	Blue Box of 100	\$3.95

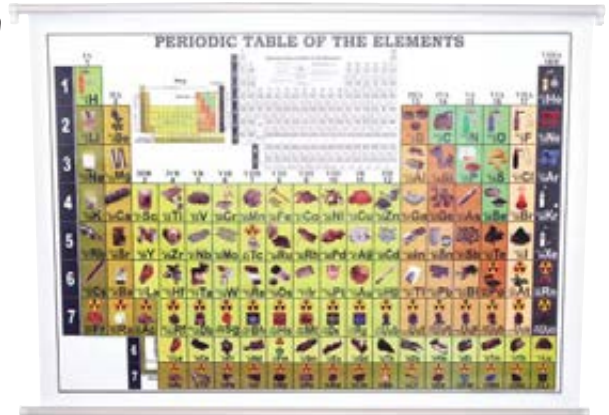
Use the red Litmus paper for experiments with acidic conditions (pH<7) and blue for alkaline conditions (pH>7). Available in a box of 100 strips (blue or red). The kit includes one of each.


Ph Paper
NK6002B \$5.50

This pH paper and indicator shows the pH from 0-14. The roll is 5m long. Simply compare the colour of the paper with the colours on the disc to find out the acidity or basicity of the solution.


Chromatography Paper – 10 X 30cm
EIS0395A Pack of 100 \$59.95

Paper chromatography is an analytic method technique to identify and separate mixtures. A liquid mixture travels through the chromatography paper, each compound at a different speed. This makes it possible to identify the compounds in the mixture. Size of paper chromatography sheets is 10cm x 30cm supplied in a quantity of 100 sheets.


Periodic Table of Elements Chart
EIS0597A \$21.95

This periodic table of elements chart measures 75x100cm. The chart shows the 112 elements with a picture of the element used in an everyday object. The chart is printed on polyart plastic sheet, fitted with a plastic roller.


Stick to Science - Magnetic Periodic Table Investigation
QE50200 \$44.95

This set includes the first 20 elements of the Periodic Table to illustrate the core concepts of atomic theory. This selection of magnetic element cards designed to minimise the extra information while focusing on essential points. Includes 42 elements cards: Elements 1-20, blank cards, Hydride (H-), 3 Mg Isotopes, Au and Pb. Includes Teacher's notes.


Laboratory Safety Chart
EIS0598A \$27.95

Classroom size 75 x 100cm. Printed on polyart plastic sheet, coloured, fitted with plastic roller. Furnishing vital safety information, instantly full time reinforcement of safe laboratory conduct.


Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



Mass Cubes for Density Investigations
NK1202 9 pieces \$51.95

This set of mass cubes consist of 9 cubes, each of a different material. Each cube measures 2.5 x 2.5 x 2.5cm. An ideal set to study density and mass differences between different materials. Set contains one of each cubes: copper, iron, aluminium, acrylic, nylon, PVC, brass, soft wood and hard wood. Comes with instruction guide.

Learn about the properties of materials



Set of 14

Materials Kit (Solids)
EIS0114B \$99.95

This kit consists 14 materials in the form of rectangular blocks, intended to familiarise students with the appearance, 'feel', texture, harness and density of a range of common substances. Contents in size 50 x 40 x 30mm: Wood, paraffin wax, aluminium, iron, foamed polystyrene. In size 20 x 20 x 100mm: Perspex, glass, slate, aluminium, softwood, marble. Blocks in other sizes: Lead (50 x 50 x 20mm), Brass (20 x 20 x 50mm) and Iron (40 x 40 x 20mm).



Cube for Density Investigation – 2cm

EIS0108H	Set of 6	\$32.95
EIS0108A	Brass	\$7.50
EIS0108B	Lead	\$4.95
EIS0108C	Zinc	\$5.95
EIS0108D	Copper	\$11.95
EIS0108E	Aluminium	\$5.95
EIS0108F	Iron	\$4.95

Each cube measures 2 x 2 x 2cm and comes without hook. Supplied with instruction manual.

Find the relationship between mass and volume



Mystery Density Activity Set

EIS0113 \$39.95

Set of 12 bars of different length but the same diameter. Find the relationship between mass and volume. Made of two different materials, supplied in wooden block.

Molecular Model Set – Large

EIS00604 \$51.95

A great set for organic and inorganic molecular models.

Kit contents: 8 Carbon, 15 Hydrogen, 4 Nitrogen, 6 Oxygen, 2 Sulphur, 1 Phosphorous, 6 Halogen, 8 metal (4 different types), 1 sp³, 1 dsp³, 1 d²sp³, 30 medium links, 12 long flexible links and 1 instruction leaflet.



Molecular Model Set – Demonstration Model

EIS00605 \$139.95

This demonstration set makes it possible to make thousand of different molecules and chemistry models. Supplied in a heavy duty box. The set includes 230 atoms and 270 bonds.

Included in the set:

- 12x Metal, Grey, 2 holes
- 10x Metal, Grey, 3 holes
- 10x Metal, 10, Grey, 6 holes
- 42x Oxygen, Red, 2 holes
- 12x Oxygen, Red, 1 hole
- 18x Oxygen, Red, 1 hole

- 12x Sulphur, Yellow, 4 holes
- 15x Nitrogen, Blue, 3 holes
- 45x Carbon, Black, 4 holes
- 12x Phosphorus, Purple, 4 holes
- 6x Phosphorus, Purple, 3 holes
- 36x Hydrogen, White, 1 hole
- 170x Medium bonds, Grey
- 100x Long Flex. bonds



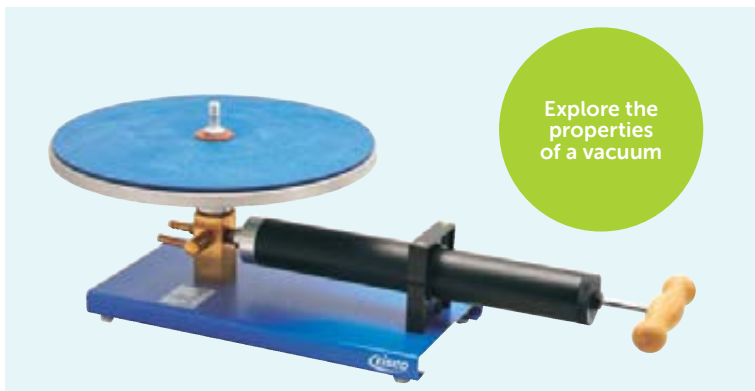
Atomic & Molecular Class Kit

EIS00609K \$499.95

This kit consists of 1x Atomic & Molecular Demonstration set (EIS00605) and 10x Atomic & Molecular Large student set (EIS00604).

exclusive

~~\$659.45~~
\$499.95
SAVE \$159.50



Explore the properties of a vacuum

Vacuum Pump with Plate – Hand Operated

EIS0166B \$191.95

This is an integral system with the pump plate and hand vacuum pump. The plate comes with a rubber seal which facilitates sealing in bell jar experiments. The plate can be used with electric vacuum pumps as well. A rubber seal is provided for the pump plate. The diameter of the plate is 200mm.

Instruction manual included



Bell in Vacuum – Glass

EIS0176N8 \$64.95

This bell in vacuum is for use on a pump plate with a diameter not less than 15cm. The electric bell operates on 4-6 volts AC/DC suspended on a rubber cord in the bell jar. Fine coiled wire connection to terminals mounted in rubber bung sealing the jar. The size of the bell jar is 22 x 15cm.

Vacuum Pump – Hand Operated – and Bell

EIS0166K \$209.95

This kit consists of the hand operated vacuum pump (EIS0166B) and the bell in vacuum (EIS0176N8).

~~\$256.90~~
\$209.95
SAVE \$46.95

Vacuum Pump with Plate – Electronic

EIS0168C \$689.95

A high quality vacuum pump with plate for a number of experiments. Specifications:

- Motor: 1/6 HPHA
- Vacuum: 650 mm
- Air Flow: 38 LP
- Weight: 4.8kg
- Supplied with vacuum gauge and moisture trap



Digital Kitchen Scale with Bowl Max 5Kg

DN4008W

1g increments

\$35.95

This digital kitchen scale is accurate, with 1g increments. The scale measures up to 5kg and comes with detachable bowl.

Kitchen Scale Max 500g

DN4004 5g increments \$13.95
6 or more - Each \$12.95

This kitchen scale is ideal for measuring smaller volumes and/or mass when more accuracy is needed. The scale measures up to 500g, with 5g increments.



Kitchen Scale Max 5kg

DN4006 25g increments \$17.95

A perfect scale for measuring heavier objects. The kitchen scale measures up to 5kg with 25g increments.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



Classroom Thermometer
LER380 \$12.95

For indoor and outdoor use, this wall-mounted thermometer clearly gives temperature in both Celsius and Fahrenheit scales. Recessed tube prevents accidents. Range: -40 degrees to 120 degrees Celsius and -40 degrees to 120 degrees Fahrenheit. The thermometer measures 7.5 x 38cm. Ages 6+ years

6+ yrs



Perfect for your food safety program

Digital Fridge Thermometer
SOG8009 \$9.95

This thermometer is an ideal tool to measure the temperature of your fridge. It has a temperature sensor at the end of an 80cm long cable, which goes on the inside of the fridge. The large display shows the temperature of the fridge. The measuring range is from -50° to +300°. It comes with 2 buttons (ON/OFF and to change from C to F). Powered by an 1.5V AAA battery (not included).



Thermometer
NK0906 \$2.30

White back alcohol thermometer with range from -10 to 100°C and with 1° divisions. Glass. Packed in plastic cover. Size: 6mm diameter, 300mm long.



Ideal for liquids

Set of 10
\$99.95
SAVE \$75.05

Digital Thermometer
SOG1309K Set of 10 \$99.95
SOG1309 Each \$17.50

This thermometer is ideal for monitoring the temperature of liquids. Size: 22.8cm long and 2.1cm in diameter. Temperature range: -50°C to +300°C. Resolution: 0.1°C(<=100°C), Accuracy:±1°C. Power Saving: auto-off after 15 minutes of no-operation. Switch between °C and °F. Comes individually or in a set of 10.



Set of 12

Student Thermometers
EIS1200 Set of 12 \$24.95

A set of 12 glass student thermometers on a PVC base. The thermometers range from -40 to +50 degrees Celsius.



Simple Stopwatch
LER0808 \$25.95

This simplified 9cm stopwatch has a large display with three buttons (stop, clear and go). Includes a break-away lanyard cord.

5+ yrs

Stopwatch
CEC502-15 Set of 15 \$149.95
CEC502 Each \$16.95

This electronic stopwatch has a two-row display for lap/split time and total time measurements with 1/100 sec. It can store and recall up to 10 lap and split times, has a memory recall after reset and during operation. It also offers calendar and time (12/24 hour format), daily alarm and countdown function. The stopwatch is water-resistant and measures 8.3 x 2.5 x 6.4cm. Ages 6+ years



Set of 15
\$149.95
SAVE \$104.30



Safety Goggles

FD2400	Each	\$6.95
12 or more - Each		\$5.95

Durable, plastic goggles protect the eyes while flexible body increases wearing comfort. Goggles meet ANSI approved standards. Suitable for students and teachers.



Coloured Safety Goggles

LER2449	Set of 6	\$43.95
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These fun, coloured safety goggles can be used any time students need reliable eye protection. Sized just right for your students and adjustable for adults. Set of six pairs of goggles comes in three bright, translucent colours (red, blue, and green).



Set of 30
\$149⁹⁵
SAVE \$58.55

Clear Safety Glasses – Vented

EIS0619K	Set of 30	\$149.95
EIS0619A	Each	\$6.95

These clear safety glasses are made of durable polycarbonate. They fit over most prescription glasses and are vented to keep the glasses from fogging. UV protected and light weight. With impact resistant lens, conforms to ANSI Z87.1 2010 sideshield protection.

Lab Coats

EIS0622A	Medium	\$39.95
EIS0622C	Small	\$36.95

These lab coats are available in 2 sizes and made of white polyester/cotton drill concealed press-stud fastenings, back vent and three large pockets. Small: length 95cm, Chest 58cm, Arm Length 42cm. Medium length: 100cm, Chest 60cm, Arm Length 46cm.



new



Vinyl Gloves

GL100VM	Medium	Pack of 100	\$3.50
GL100VM-10	Medium	Box of 1000	\$29.95
GL100VL	Large	Pack of 100	\$3.50
GL100VL-10	Large	Box of 1000	\$29.95
GL100VXL	Extra Large	Pack of 100	\$3.50
GL100VXL-10	Extra Large	Box of 1000	\$29.95

These disposable vinyl gloves are comfortable to wear and are great for all food preparation and cleaning tasks. These gloves will protect the hands from substances coming into direct contact with the hands and they help prevent cross contamination, allowing the user to dispose the gloves when they are finish. These gloves are designed with quality in mind and are powder-free while still being easily able to slip on and off the hands. These gloves come in medium, large and extra-large sizes.



exclusive



Rubber Gloves

EIS0616B	Large	Pair	\$12.95
EIS0616BK	Large	Set of 10 Pair	\$89.95
EIS0616A	Medium	Pair	\$12.95
EIS0616AK	Medium	Set of 10 Pair	\$89.95

These natural rubber gloves are bi-colour and measure 24mil/0.60mm. They are flock lined and are supplied in pairs. Available in medium (7-7.5") and large (8-8.5"). Illustrated test tubes & stand are not included.



Nitrile Powder Free Blue Gloves

GL200BS	Small	Pack of 200	\$10.95
GL200BS-10	Small	10 x 200	\$104.50
GL200BM	Medium	Pack of 200	\$10.95
GL200BM-10	Medium	10 x 200	\$104.50
GL200BL	Large	Pack of 200	\$10.95
GL200BL-10	Large	10 x 200	\$104.50

These disposable nitrile gloves are powder free, comfortable to use and of professional quality. The gloves effectively protect against oil-based chemicals and are waterproof. Nitrile has excellent barrier protection providing three times more puncture resistance than latex. Available in three sizes.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Prepare your students for tomorrow's jobs



LEGO® MINDSTORMS® Education EV3 Curriculum Solution

LEG45544-1 **\$629.95**



This set contains everything you need to start teaching STEM and computer science using the exciting LEGO® MINDSTORMS® concept. It offers full teacher support, including STEM and computing teaching materials, and a comprehensive eLearning program.

The system includes the Intelligent EV3 Brick, a compact and powerful programmable computer that makes it possible to control motors and collect sensor feedback using the intuitive icon-based programming and data logging software that is delivered with the set.

The set is delivered in a sturdy storage bin with a sorting tray, three Servo Motors, five Sensors (Gyro, Ultrasonic, Colour and 2x Touch), a Rechargeable Battery, connecting cables and Building Instructions. Battery charger (LEG8887) is required and sold separately.

Solution includes

- LEGO MINDSTORMS Education EV3 Core Set 1
- EV3 Software and App* [Download] [www]
- EV3 Design Engineering Projects Curriculum* [www]
- EV3 Coding Activities* [www]
- EV3 eLearning* [www]

How to get ahead in STEM learning

The LEGO MINDSTORMS Education EV3 motivates students to design, build and program robots using motors, sensors, gears, wheels, axles and other technical components, to gain a better understanding of how technology works in real-world applications.

The solution enables students to understand and interpret two-dimensional drawings to create three-dimensional models; build, test, troubleshoot and revise designs; apply maths and science concepts on real-life applications; and master programming and data logging functions.



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Classroom Solutions

EV3 Curriculum Solution Packs

LEGO Education EV3 Curriculum Solution
LEG45544-1



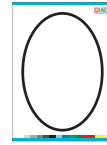
Battery Charger
LEG8887



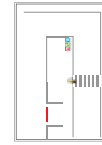
Multi-Charger
WLMC01



Robotics Training Mat
ROB014



Robotics Challenge Mat
ROB15



MTA Storage System Double
SUN8327



MTA Storage System Triple
SUN8337



Product Code	Students	LEGO Education EV3 Curriculum Solution	Battery Charger	Multi-Charger	Robotics Training Mat	Robotics Challenge Mat	MTA Storage System Double	MTA Storage System Triple
LEG45544-1K 2-3 students		1	1					
LEG45544-4 8 students		4	4		1			
LEG45544-4S 8 students		4	4		1		1	
LEG45544-5 10 students		5	5		1			
LEG45544-5S 10 students		5	5		1		1	
LEG45544-6 12 students		6	6		1			
LEG45544-6S 12 students		6	6		1		1	
LEG45544-8 16 students		8		1	1			
LEG45544-8S 16 students		8		1	1			1
LEG45544-10 20 students		10		1		1		
LEG45544-10S 20 students		10		1		1	2	
LEG45544-12 24 students		12		2		1		
LEG45544-12S 24 students		12		2		1	2	
LEG45544-15 30 students		15		2		1		
LEG45544-15S 30 students		15		2		1		2



Free Freight

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LEG45544-10CS

Classroom Solutions

EV3 Curriculum Solution Packs

LEGO® Education EV3 Curriculum Solution
LEG45544-1



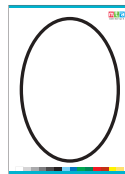
Battery Multi-Charger
WLMC01

3rd Party Product **exclusive**



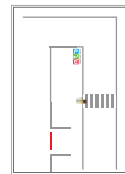
Robotics Training Mat
ROB014

3rd Party Product **exclusive**



Robotics Challenge Mat
ROB15

3rd Party Product **exclusive**



EV3 Expansion Set
LEG45560



MTA Storage System Triple
SUN8337

3rd Party Product **exclusive**



Product Code	Students	Curriculum Solution	Battery Multi-Charger	Robotics Training Mat	Robotics Challenge Mat	EV3 Expansion Set	MTA Storage System Triple
LEG45544-8C 16 students	8	1			1	4	
LEG45544-8CS 16 students	8	1			1	4	2
LEG45544-10C 20 students	10	1			1	5	
LEG45544-10CS 20 students	10	1			1	5	2
LEG45544-12C 24 students	12	2		1	1	6	
LEG45544-12CS 24 students	12	2		1	1	6	2
LEG45544-15C 30 students	15	2		1	1	8	
LEG45544-15CS 30 students	15	2		1	1	8	3

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Ultimate Bot 2.0

Complexity: Higher-intermediate to advanced

Extendibility: Fully compatible with Makeblock platform

Programming Language/Software: mBlock, Makeblock HD, Arduino, Python, Scratch

Compatibility: Apple tablets: iOS 7.0 or later, Android tablets/phones: Android 3.0 or later, PC and Mac

Age Group: 10+ years

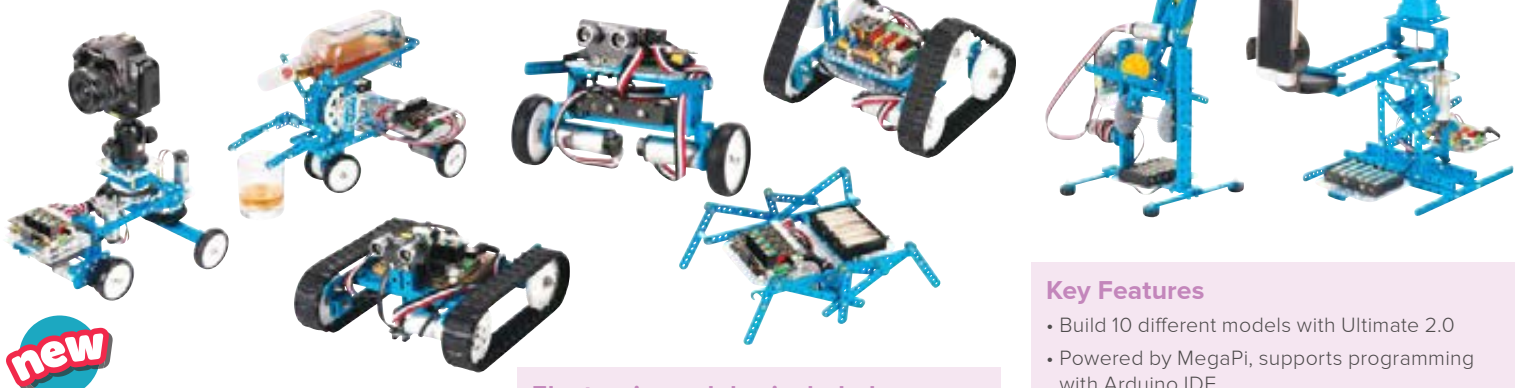
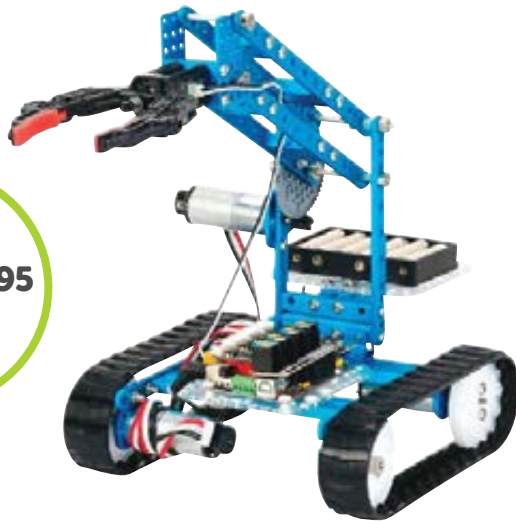
Curriculum Links: ACTDEK013/20/23/31/34/46 -

ACTDEP014/15/16/18/24/25/26/28/35/36/37/38/39/48/49/50 -

ACTDIK007/14 - ACTDIP010/11/17/19/20/27/29/30/40/41

Ultimate Bot 2.0 is a flagship robot kit based on Makeblock platform with rich features and strong compatibility. Whether you are an enthusiast of Raspberry Pi or Arduino, a mechanical or electronics engineer, a teacher, or a student, it helps you learn the knowledge of mechanical structures, electronic modules and programming skill with ease.

Set of 10
\$8,199⁹⁵
 SAVE \$199.55



Ultimate 2.0 - 10-in-1 Robot Kit

MB90040	Each	\$839.95
MB90040-5	Set of 5	\$4,099.95
MB90040-10	Set of 10	\$8,199.95

The Ultimate 2.0 is powered by the MegaPi, a small but powerful mainboard based on Arduino MEGA 2560. It has 6 function areas, which can be connected with modules to realise wireless communication or drive various motors. It can be used to build various robots, such as 3D printer and other robotic projects. The Ultimate 2.0 can be programmed with PC or tablet. Great for learning robotics, electronics, graphical programming, Arduino programming and Python programming.

Electronic modules included

- 1x MegaPi
- 1x MegaPi Shield for RJ25
- 1x Bluetooth Module
- 4x Motor Driver
- 3x Encoder Motor
- 1x Ultrasonic Sensor
- 1x Line Follower Sensor
- 1x 3-Axis Accelerometer and Gyro Sensor
- 1x RJ25 Adapter
- 1x Shutter
- 1x Makeblock Gripper

Key Features

- Build 10 different models with Ultimate 2.0
- Powered by MegaPi, supports programming with Arduino IDE.
- One Raspberry Pi switch interface (requires manual soldering)
- Wireless communication interface for adding Bluetooth module or 2.4G module
- Ten servo interfaces, capable of driving 10 servos or 8 DC motors simultaneously
- Two high-power MOS driver interface which are able to drive devices with a maximum current of 10A
- Three powerful encoder motors enable you to feel every step of the robot
- Wirelessly control your robot with smart devices through Bluetooth connection.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

mBot Ranger



Complexity: Intermediate to advanced

Extendibility: Fully compatible with Makeblock platform

Programming Language/Software: mBlock, Makeblock HD, Scratch 2.0, Arduino, Java

Compatibility: Apple tablets: iOS 7.0 or later - Apple smartphone: iOS 8.0 or later - Android tablets/phones: Android 3.0 or later

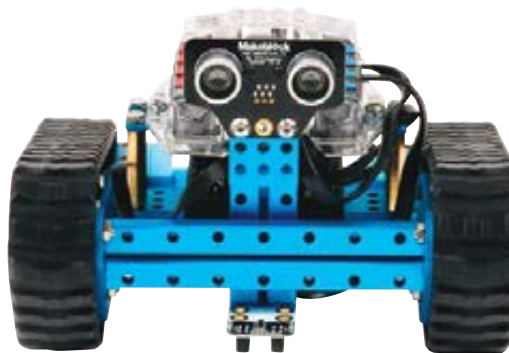
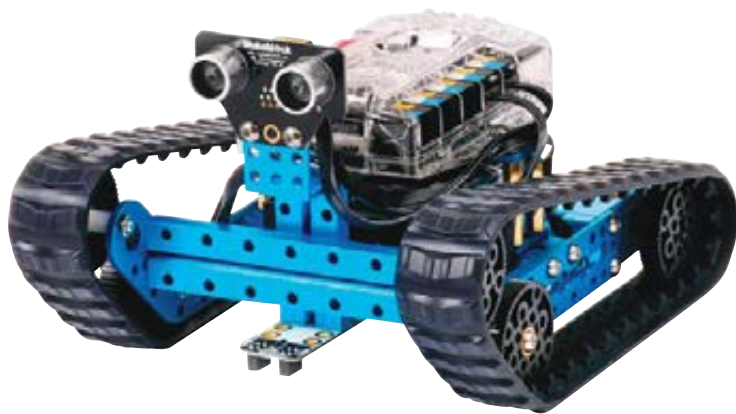
Age Group: 8+ years

Curriculum Links: ACTDEK013/20/23/31/34/46

- ACTDEP014/15/16/18/25/26/28/35/36/37/38/39/49 - ACTDIK007/14

- ACTDIP010/11/17/19/20/22/27/29/30/40/41

mBot Ranger Robot Kit is a three-in-one STEM educational robot kit, which supports 3 building forms: robot tank, three-wheel racing car, and a self-balance car. Program & Control mBot Ranger via iPad, tablets, or laptop to start your exploration! Fine ready-to-use projects built-in the Makeblock HD app for immediate fun and play. mBot Ranger is fully compatible with mBlock to program on your PC or program from your iPad and tablets with an easy-to-use app – Makeblock HD.



Set of 10
\$3,099⁹⁵
 SAVE \$299.55



Makeblock - mBot Ranger - STEM Robot

MB90092	Each	\$339.95
MB90092-5	Set of 5	\$1,599.95
MB90092-10	Set of 10	\$3,099.95

The mBot Ranger comes with the Me Auriga mainboard based on open-source Arduino Mega 2560. It provides not only 6 on-board sensors, but also 10 extension ports that enables you to add more motors and sensors when needed.

Key Features

- Input: 6 x sensors: Light sensor, ultrasonic sensor, line follower, gyroscope, temp sensor, and sound sensor
- Output: buzzer, 12 LED lights, 2 motors
- Me Auriga main board with 10 ports, supporting DC motors, stepper motors, servo motors, smart servos, encoder motors, etc. (4 ports supporting up to 3.5A output, 6 ports supporting 5V 2.4A output)
- Compatible with Arduino Ide and RJ25 ports
- Supports Bluetooth and Bluetooth upgrade firmware

Edison

Complexity: from beginners to complex

Extendibility: Add LEGO to build bigger and more complex models

Programming Language/Software: EdBlocks, EdWare and EdPy

Compatibility: Windows, Mac, Linux, iOS (iPad) and Android

Age Group: 6+ years

Curriculum Links: ACTDEP006/8/14 - ACTDIK001
- ACTDIP004/10/11/15/16/17/20/26/37/41



Edison is an affordable robot for learning and inventing. It is LEGO® compatible and easy to program. Download the free software, lesson plans, EBooks and floor mats online and get started straight away! Edison can be controlled in three ways: by driving over barcodes that activate pre-programmed functions, by TV/DVD remote control, or by programming from a computer or tablet. Edison can be programmed with three different platforms for stepped learning.

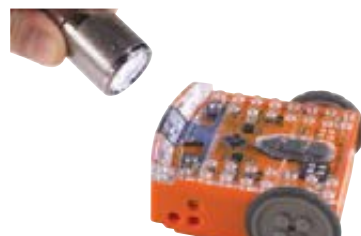


Set of 5
\$329.95
SAVE \$44.80

Edison Robot v2

EDM001-V2	Single Robot	\$74.95
EDM001V2-2	Set of 2	\$139.95
EDM001V2-3	Set of 3	\$199.95
EDM001V2-5	Set of 5	\$329.95

Edison is well equipped with sensors and actuators for teaching educational robotics. For more Edison classroom solutions, please refer to our website.



What's new?

Precision driving

Edison now has wheel encoders, allowing Edison to travel specific distances at exact speeds and turn to specified angles and drive straight.

Improved performance

Edison's obstacle detection is now more precise and can be calibrated. The battery life is longer and Edison can now be awoken by just pressing the triangle button. Edison also has a more sensitive clap sensor.

Resilience

Edison's new clutch system prevents damage to the internal gears even under the most aggressive punishment.

Stepped learning

Edison will be programmable from three different platforms aimed at: basic, intermediate, and advanced learners.

- EdBlocks, a 'scratch-like' platform for Edison, based on a collection of graphical 'programming blocks' children snap together to create programs.
- EdWare, our graphical robot programming software, will be maintained. EdWare is now available for Windows, Mac, Linux, iOS (iPad), Android, Chromebook, and as an online app.
- EdPy is designed to extend Edison's functionality and teach higher level programming concepts. Edpy will maximise the use of Edison's encoders and it will give our users superior control of Edison.



Free Freight

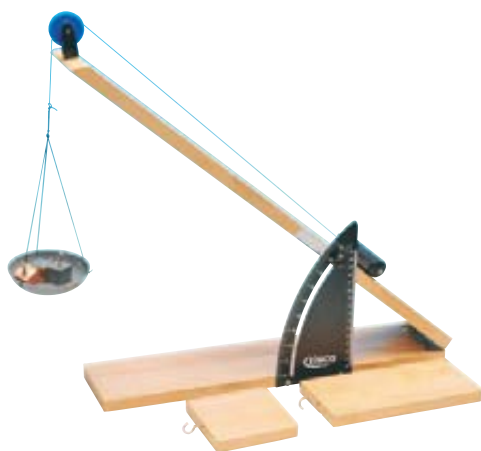
Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

new

Pulleys in Motion Class Set

QE37480 \$149.95

This versatile classroom pulley set is designed to teach the mechanical principles of pulleys to a whole class. The set contains 18 single sheave pulleys, 12 double sheave pulleys, 12 triple sheave pulleys, 6 spring scales (500g, 50N), a roll of twine, 20 pulley chain links, and the 'Pulleys in Motion' teacher's guide. This 32-page resource contains background information that gradually introduces students to fundamental pulley concepts, as well as reproducible student activity sheets and assessment ideas. The focus of the Pulleys in Motion Class Set is to provide hands-on activities that are easily understood, and provide both intellectual and practical experience for the students.



Inclined Plane – Metal

EIS0337 Each \$76.95

The base and plane are connected by a hinge, allowing the plane to be clamped at any angle from 0 to 45°. Vertical and angular displacement and distance from the hinge can be measured with built-in scales. The pulley can be adjusted to ensure that the cord runs parallel to the plane. Board dimensions 60 x 10cm. Pan and roller included, comes with instructions.

Pulley Demonstration Set for Students

EIS0305 Set \$299.95

This demonstration set is a great tool to experiment with pulleys. Instructions included.

Set includes

- Pulleys: 8 single, 2 double sheave and ball bearing pulleys
- Wooden base (20 x 15cm), one vertical rod (61cm x 12.5mm) and one horizontal rod (20cm x 9.5mm)
- 6 collars with hook
- Right-angled clamp
- Wheel and axle
- 2 rolls cord
- Tommy bar to tighten vertical rods
- Hooked brass masses, a total of 9 weights from 10g to 1000g.



EIS0280K
\$12.95
SAVE \$1.35

Pulleys

EIS0280K	Single, Double & Triple Sets	\$12.95
EIS0280A	Single	\$4.30
EIS0280B	Double	\$4.60
EIS0280C	Triple	\$5.40

Plastic 50mm diameter, mounted in metal frame with two hooks.



Slotted Weights

NK1118 Each \$13.95

A set of iron, nickel-plated weights for use in forces investigations. Contains 10 slotted weights, each 10g.



Mass Hanger

EIS001MH \$7.25

Use in combination with the slotted weights or pulleys, or experiment with Hooke's Law by adding them to springs.



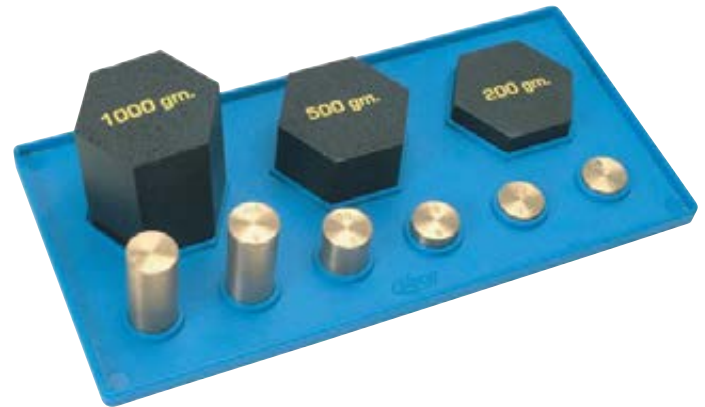
A total of 1000g



Balance Weight – Stainless Steel

EIS0037B \$79.95

This set of balance weights are made of stainless steel and are supplied with a wooden block. The maximum capacity of the set is 1000 gram. The set consists of 1x500g, 1x 200g, 2x 100g, 1x 50g, 1x 20g, 2x 10g, 1x 5g, 2x 2g and 1x 1g. A total of 12 weights.



Weighing Set on Tray

EIS0039A-N8

Set of 9

\$62.95

A combined set of accurate steel and brass weights that are housed in a sturdy blue mounted tray. Provides for weighing objects from 10g to 1990g in 10g increments. 3 steel weights and 6 brass weights. Contents: 1 of ETC: 1kg, 500g, 200g and 50g plus 2 of each: 100g and 10g.



Plastic Weights

NK1109

Set of 54

\$12.95

This set of 54 plastic weights consists of 20 x 1g, 20 x 5g, 10 x 10g and 4 x 20g. A total of 300g.

A total of 1850g



Iron Weight – Hexagonal with Ring

EIS0268K

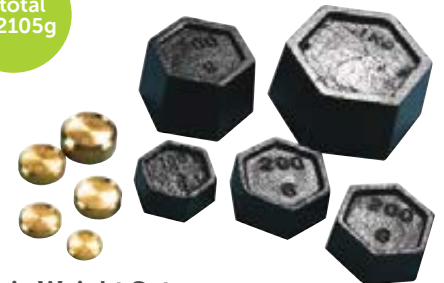
Set of 5

Set of 5

\$39.95

Hexagonal iron masses with lifting ring. A set of 5 weights, including 50g, 100g, 200g, 500g and 1kg. Within international tolerance. The weights are also available individually.

A total of 2105g



Metric Weight Set

S331

10 pieces

\$99.95

This set is perfect in combination with a balance scale, to accurately measure the mass of the object with an unknown mass. Put the object on one side of the scale and add or remove weights on the other side of the balance until it is even.



Single Ball Bearing Pulley – Bench Mounting

EIS0290B \$14.95

A single wheeled plastic pulley on a steel frame. Low friction, ball bearing design. Diameter of 5cm, can attach to boards or tables up to 2.8cm in thickness. Max holding capacity is 22kg.



Pulley Bench Clamp Fitting

EIS0296A \$19.95

Bench clamp 50mm diameter pulley with metal ball bearing carried on a two part aluminium frame. With the pulley overhanging the edge and in a vertical place. Overall length of the frame (pulley bar) is 110mm. Maximum clamp opening is 25mm.



Large Pulley with Universal Clamp

EIS0293 \$29.95

Comprises a 70mm diameter light alloy, with 2 clamping screws for bench and rod support. Clamped to bench up to 38mm thick, screwed to a flat surface or held on 13mm diameter support rod.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



Experiment with acceleration, gravity, friction, forces & motion

Dynamic Track, Stand & Ramp
EIS0355DYTR Each \$109.95

Find out how fast an object rolls off the ramp and experiment with different weights of the objects and height of the ramp. The track is 1.2m long x 30cm wide. The stand measures 65cm high. With run-off ramp to bridge the gap between track and floor when required.

Includes manual



Hall's Cars Experiment
EIS0351A Set of 2 \$37.95

This Hall's Car Pair is the most important lab essential for dynamics experiments. This car is used in conjunction with the inclined plane or ramp, pulley and weights to study the relationship between work and energy. The car has low friction wheels on oil free sleeve bearings which never need adjustment. The durable plastic moulded body has a deep well for weights and low profile.

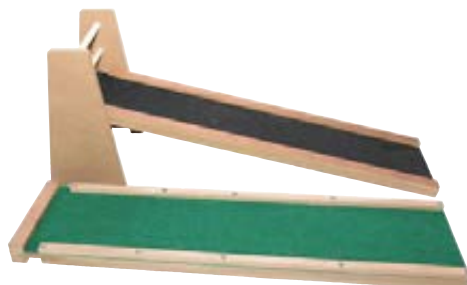


Track & Ramp & Hall's Cars Kit

EIS0351K Kit \$299.95

This kit allows you to test multiple variables (i.e. angle of the ramp and weight applied to the Hall's Car) at once! The kit includes 2 track & ramps (EIS0355DYTR) and 2 sets of Hall's Cars - Set of 2 (EIS0351A)

~~\$371.70~~
\$299.95
SAVE \$71.75



Slope Kit with Two Double-Sided Boards

TTS7018K Set of 6 \$649.95
TTS7018 Each \$149.95

Set of 6
\$649.95
SAVE \$249.75

This multiple surface ramp kit is a great classroom resource for science investigations on forces, motion and friction. The two double-sided ramps feature four different surfaces: plain wood, foam, carpet underlay and sandpaper. The stand enables the ramp to be adjusted to five different heights enabling pupils to change the angle of the slope. Robust and sturdy, the stand will not tip over and its compact design makes the ramp kit easy to store. Ramp sizes approx 70 x 18cm. Accessories not included.



Dynamic Trolley Pair - Plastic
EIS0351PL-N8 Pair \$87.95

These carts have a single piece body. Mounted on a set of 3 low-friction nylon wheels providing a straight distance over long distances. Enables placing of additional masses. Lockable spring-loaded plunger.



Falling Bodies Apparatus
EIS0318 \$34.95

L-section launcher with holes for locating two 19mm dia steel balls which act as projectiles. Launcher is released by push button and projects one ball forward while allowing the other to fall freely. Launching mechanism mounted on wooden block 180x60x30mm which may be clamped by bench and has a convenient storage pocket for the balls, complete with two steel balls.



Projectile Launcher
EIS0343 \$99.95

This projectile launcher is very durable and unbreakable. An aluminium construction with hardened steellatches. String release trigger mechanism with 2 bore sights. Pivots from horizontal to 90°. The 19mm dia ball with hole is easy to use in fixed launch position. Trajectories vary less than 1cm because ball does not spin when launched. Includes assembled spring loaded gun, two balls of aluminium, protractor, plumb bob and complete with operating instructions.


Force Table - Economy 3-Legged - No Weights
EIS0347F Each \$194.95

The top of this force table is made from durable PVC and the laminated top allows to use erasable markers. The legs have built-in levelling screws for levelling adjustments. Supplied with 4 special ball bearing pulleys and 4 weight hangers. Weights not included.

~~\$206.55~~
\$149⁹⁵
 SAVE \$56.60

Dynamometer Premium Stainless Steel

EIS0036K	Set of 9	\$149.95
EIS0036A	10g/0.1N	\$22.95
EIS0036B	20g/0.2N	\$22.95
EIS0036C	100g/1N	\$22.95
EIS0036D	200g/2N	\$22.95
EIS0036E	500g/5N	\$22.95
EIS0036F	1kg/10N	\$22.95
EIS0036G	2kg/20N	\$22.95
EIS0036H	5kg/50N	\$22.95
EIS0036I	10kg/100N	\$22.95



These high resolution, stainless steel spring balances are classroom quality. Measuring range: from 10g to 10kg and from 0.1N to 100N.

new

With memory marker

Set of 4
\$32⁹⁵
 SAVE \$6.85

Memory Force Meters

QE40010K	Set of 4	\$32.95
QE40010	10N/1kg	\$9.95
QE40015	20N/2kg	\$9.95
QE40020	30N/3kg	\$9.95
QE40025	50N/5kg	\$9.95

Measures force by pushing or pulling an object. Record the measurement using the innovative memory marker. Calibrated in both Newtons and grams. The clear plastic tube allows students to see the action of the spring. Includes an activity guide.



Set of 5
\$26⁹⁵
 SAVE \$5.55

Balances Spring – Dual Scale

EIS0024K	Set of 5	\$26.95
EIS0024A	0.1kg/1N	\$6.50
EIS0024B	0.25kg/2.5N	\$6.50
EIS0024C	0.500kg/5N	\$6.50
EIS0024D	1kg/10N	\$6.50
EIS0024E	2kg/20N	\$6.50

This acrylic body spring scale with large easy to read flat scales is zero adjustable. It measures in grams and newtons.



EIS0115A



EIS0115D

Springs

EIS0115D	Extention - Steel 15.5mm dia	\$0.75
EIS0115A	Set of 6 Assorted sizes	\$12.95
EIS0115AS	Set of 150 Compression & Extension	\$109.95

EIS0015D Diameter: 15.5mm, Coiled Length: 20mm, Overall length: 55mm, wire diameter: 0.7mm

EIS0115A Diameter: Between 1 and 3cm approx. Flexible length between 10-20cm. With hooks on both side.

EIS0115AS Diameter: Between 4-18cm. Length: Between 15-300mm. Wire diameter: between 0.27-1.6mm (image not shown).


Super Spring

CUS0304 Each \$9.95

This metal super spring can 'walk' down steps or go from one hand to another in a fascinating motion. It is 6cm in diameter.



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Kinetic Theory Model

EIS0203 \$90.95

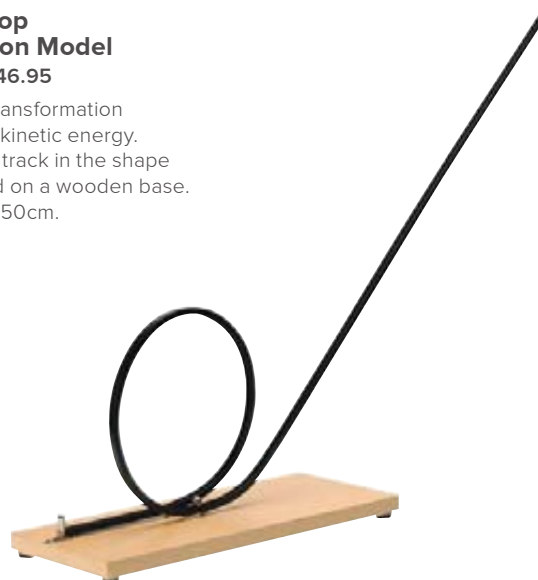
To study motion and behavior of molecules in gases. An electric motor running at 4 – 12 V DC vibrates small platform inside transparent tube so that set of many small steel ball is vibrated violently inside tube. An increase in the violence of vibration simulates an increase in gas temperature and an increase in the weight of the 'float' simulates an increase in gas pressure. Supplied with balls and 2 'floats'.



Loop The Loop Demonstration Model

EIS0323LL \$46.95

Demonstrates transformation of potential into kinetic energy. V-shaped metal track in the shape of a loop is fitted on a wooden base. Highest point is 50cm.



Inertia Balance Kit

EIS0310B \$64.95

A demonstration kit for the comparison of "mass" vs. "weight". A platform is supported on spring-steel strips which is made to oscillate in the horizontal plane under various loads. Two trays 130mm x 50mm help approximately 200mm apart. One tray has holes to take the three equal mass cylinders of size 100mm length and 2mm diameter. Three support pins to fit inside the cylinders are included.

Gyroscope – Bicycle Demonstration

EIS0342B \$107.95

Create a Human interactive Gyroscope using students. A large 50cm steel bicycle wheel running on ball bearing on which mounted a heavy solid rubber tyre to guarantee a large moment of inertia. To each end of axle, we fasten a handle with a eye at the end. One push of the hand provides enough spin to the wheel to display all the properties of gyroscope. Supplied with manual.



Specific Gravity Blocks Set

EIS0121A \$39.95

This kit is designed to provide students with all they need for simple specific gravity experiments such as determining the density of different metals. The kit consists of an aluminium displacement vessel and overflow bucket, spring balance and 3 metal cubes of different density.

Photogate System

EISV0011 \$299.95

Contains 2 photogates, 2 connecting wires, main photogate hub and control and a wall charger.

This Photogate System operates in 4 modes:

1. Gate (Time of Interruption)
2. Pulse (Time between interruption)
3. Pendulum (Time between 1st and 3rd interruption)
4. Frequency (Frequency of interruptions)

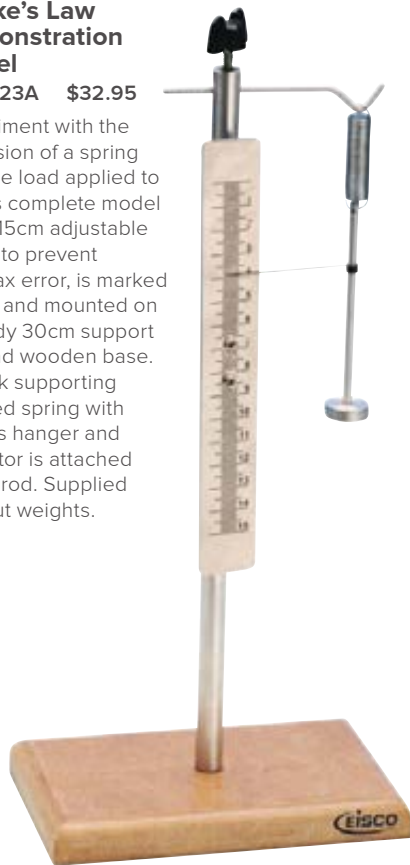
Additional Features include functional stop watch built in, battery operated with ability to charge, and rugged ABS case. Works with Pearsontifics and numerous other physical science systems.



Hooke's Law Demonstration Model

EIS0323A \$32.95

Experiment with the extension of a spring and the load applied to it. This complete model has a 15cm adjustable scale, to prevent parallax error, is marked in mm and mounted on a sturdy 30cm support rod and wooden base. A hook supporting a coiled spring with a mass hanger and indicator is attached to the rod. Supplied without weights.



Sprouting Cylinder

EIS0198 \$54.95

For the demonstrating the principle that pressure increases with depth. Made of perspex which give a clear view of variation of level of liquid and pressure.



Collision Balls

EIS0349ECB \$27.95

Teach students about momentum, elastic collision and kinetic energy with this model. Raise one ball on one end and see how a ball on the other end will be launched. Features a steel frame supporting 5 steel balls on tough nylon monofilament. Size: 13.5 x 11.5 x 14cm.

Free Fall Model – Advanced Gravity Experiments

EIS001FF \$164.95

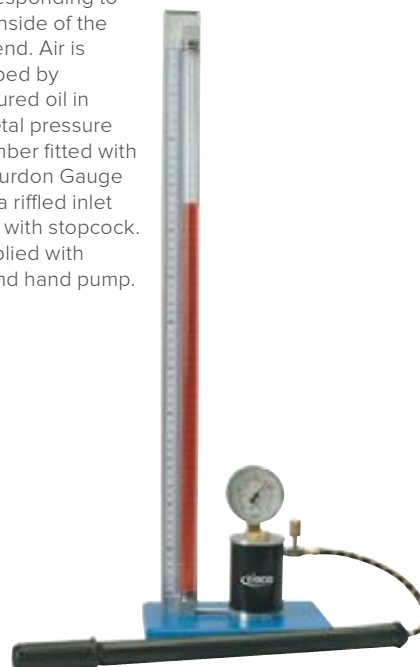
This model is used to investigate the concept of gravity. The model comes with an electromagnet with mounting bracket, an L track attachment for a photogate system (not included), a ball catcher, steel ball, base and track and instructions. Students can investigate the acceleration of gravity in free fall. The use of a photogate system is recommended. Power supply required (not included). Illustrated photogate system not included.



Boyle's Law Demonstration Model

EIS0150A \$284.95

This model demonstrates that the product of pressure and volume of a given mass of confined gas is constant, as long as the temperature is constant. Wide bore tube closed at the top is mounted on a scale 0 - 600 mm, with 0 corresponding to the inside of the top end. Air is trapped by coloured oil in a metal pressure chamber fitted with a Bourdon Gauge and a riffled inlet tube with stopcock. Supplied with oil and hand pump.



Boyle's Law Demonstration Model

EIS0145A \$24.95

A simplified model to demonstrate Boyle's law. This model consists of a graduated plastic syringe mounted on a wooden block. The lubricated piston of the syringe is mounted on another platform. Different weights can be stacked on the top and measurement of pressure volume can be made.



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new



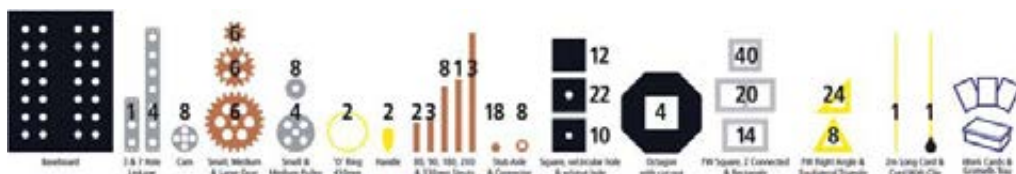
POLYDRON

322
pieces

Polydron Bridges Class Set

ZZ9030B 322 Pieces \$499.95

Unlock the secrets of bridge building with Polydron Bridges which gives budding civil engineers and designers a chance to build and test several types of bridge designs, including some of the most recognisable, world-famous bridge constructions. Twelve comprehensive work cards and lesson plans provide step-by-step instructions to piece together truss, suspension, cantilever, drawbridge, cablestay, swing and bascule bridges. The set will encourage and challenge children to go beyond the set shapes and to experiment with their own creations.



POLYDRON
Engineer

Polydron Engineer Class Set

ZZ9060 250 pieces \$299.95

A unique product that demonstrates engineering principles and simple machines, with clear links between maths and engineering. All polydron solids and frameworks pieces can be used with this set. A total of 250 pieces, including complete lesson plans, and supplied in a plastic container. Ages 9+ years



Working V8 model with cam, cylinders & valves



250
pieces

new

GEOMAG

Geomag Mechanics Class Set

GEO225 Set \$289.95

In this mini laboratory, students are introduced to the basic concept of magnetic polarities. They then tailor the polarities to create controlled magnetic reactions and drive motion before progressively tackling more challenging tasks such as building and reinforcing a bridge span. STEM are woven into this stimulating and truly innovative set, which includes easy-to-comprehend student work sheets and a teacher's guide.



Kit includes

- Contents:
- 2x 20 sets mechanics cards
 - 60 rods
 - 64 spheres
 - 4 indicator rods
 - 8 compass roses
 - 84 extra building accessories
 - Contained in a plastic GrateNets SmartCase® for easy storage

new

3447
pieces

K'Nex Simple Machines Deluxe

KN79520 3447 Pieces \$449.95

This set is designed to introduce students to the scientific concepts associated with simple machines: levers, pulleys, wheels and axles, inclined planes, including wedge and screw and gears. As students build and investigate, they are encouraged to discuss and evaluate the scientific principles in action. Build up to 60 models! Suitable for Years 3 to 8.



Key concepts

- Simple machines
- Energy transfer
- Effort and resistance forces
- Mechanical advantage
- Motion and forces



K'NEX Exploring Machines Set

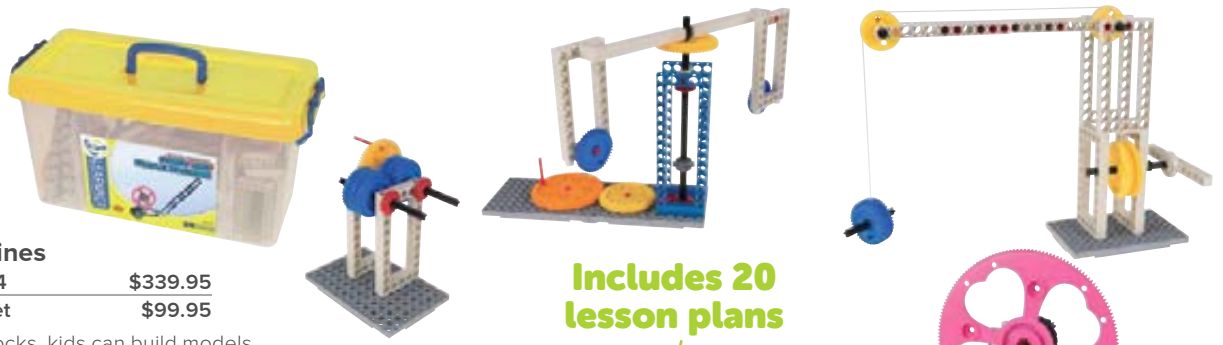
KN7860 1432 pieces \$249.95

Build 30 different models with this comprehensive 1432-piece simple machines set. The kit allows 4 groups to build a specific model simultaneously if required. The models demonstrate levers, pulley systems, wheels and axles, inclined planes, screws and wedges. Also focuses on spur, crown, sprocket, rack and pinion, transmission and differential gear systems. The 70-page teacher's guide contains both key facts and 14 inquiry-based lesson plans. Ages 8+ years



1432
pieces

Set of 4
\$339.95
SAVE \$59.85



Forces & Simple Machines

GG1234K Set of 4 \$339.95
GG1234 Each set \$99.95

Using Gigo's construction blocks, kids can build models of cranes and scales within the courses while they learn about the principles behind the movement of force, levers, inclined planes, axles and some other simple machines. The set includes 20 lesson plans, including 16 models and 4 creative works, a student workbook, and 3D Smart Manual to view the model on your tablet in 3D. Each lesson plan consists of an introduction with theory, building instructions, the experiment, improvements and evaluation.

Includes 20
lesson plans



250
pieces



Free Freight

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new



Screw
EIS0020SM \$32.95

With large block on the head of the screw to give additional leverage. Size: 20 x 10 x 11cm.

new

Block & Tackle
EIS0021SM \$32.95

This model shows how the use of multiple pulleys can increase the mechanical advantage.
Size: 17 x 12 x 22cm.



Inclined Plane
EIS0010SM \$27.50

With a shallow indent for adding additional mass if needed. With rubber wheels and grooves in the track of the inclined plane. Size: 42 x 8.2cm with an adjustable height.



Gear Train
EIS0011SM \$51.95

This apparatus can model how gears work at a basic level to make work easier. The base is 16.5 x 8.9cm, 41cm tall.



Wedge
EIS0014SM \$25.95

This model can be used to demonstrate how a wedge can increase mechanical advantage. Size: 35 x 9.5cm base with adjustable height.



Gear
EIS0015SM \$38.95

This model can demonstrate how gears can turn rotational motion into translational motion. The base is 40 x 6cm and the model is 15.2cm tall.



Pulley
EIS0012SM \$25.95

This model shows the mechanical advantage created by pulleys. Size: base 16.5 x 8.9cm and 41cm tall.



Pendulum
EIS0013SM \$25.95

Study the relation between length of the pendulum and period of the bob. Size: base 8.9 x 16.5cm, 39.5cm with 30cm adjustable pendulum.



Motion Converter
EIS0016SM \$38.95

Show your students how rotational motion can be converted into linear motion with this motion converter. The gears are 12cm in diameter and are mounted on a 38.5 x 6.8cm base. The model is 14.5cm tall.



Fulcrum Balance
EIS0017SM \$25.95

Study how changing the distance from the fulcrum changes the mechanical advantage. Students can intuitively figure out the balance point for a given set of masses. Size: 22 x 5.5cm with a height of 13.3cm. The lever arm is 45cm long.



Lever
EIS0018SM \$17.95

Study levers and mechanical advantage both qualitatively and quantitatively. Size: base 22 x 7cm, the lever arm is 19cm.



Wheel & Axle
EIS0019SM \$24.95

This model can show how a crane works, as well as several other uses for a wheel and axle. Size: base 24 x 9.5cm. Stands 11.5cm high.



new

Wooden Simple Machines Class Set

EIS0019K Set of 12 \$279.95

These wooden simple machines are a great resource to show your students how simple machines can provide mechanical advantage and change the magnitude and direction of a force. Each model has a sturdy construction, perfect for classroom use. The models come with detailed instructions and activities.

~~\$369.95~~
\$279.95
SAVE \$90.00

new Build over 15 machines at the same time



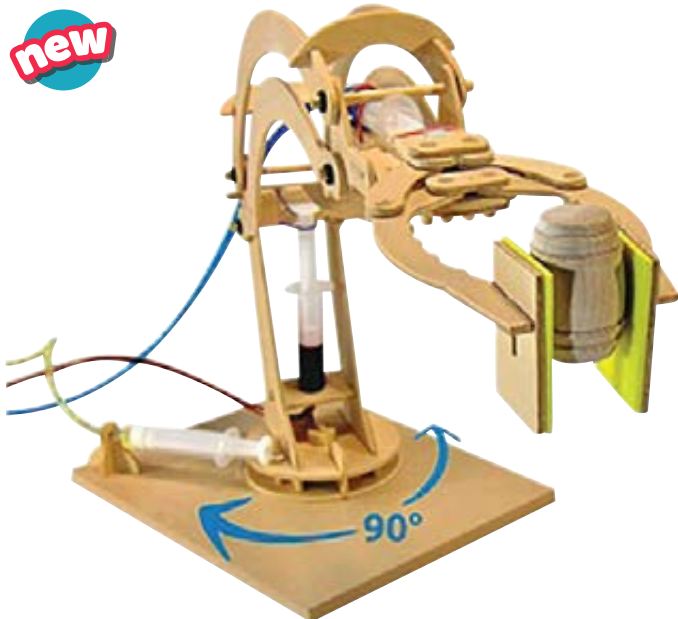
Hydraulic Classroom Pack

SN6717

Pack

\$299.95

This large hydraulic classroom pack ensures that you only need scissors, glue and cardboard to get the class inventing with parts for 30 students in pairs to build over 15 machines with an average of 4 pistons per machine.



Hydraulic Robotic Arm

SN6710

Each

\$49.95

This model uses a battery of independent hydraulic circuits to provide absolute control over the arm pincers: grip, lift, twist, lower and release. This set teaches the basics of hydraulics and robotics.



Hydraulic 4-in-1 Mini Machines

SN6706

Each

\$64.95

This set includes the four main hydraulic mini machines: the cherry picker, and excavator as well as the platform lifter and scissor lift. The cherry picker teaches the principles of linkages and includes a small platform for figurines that remains flat at any height. The excavator teaches the principles of levers and hydraulic power. The mechanism includes two hydraulic cylinders and can be adjusted to provide either digging or scooping actions.

Learning Lab – Motion & Mechanism

GG1235K

Set of 4

\$339.95

GG1235

Each set – 20 Modules

\$109.95

Using Gigo's Learning Lab construction blocks as a foundation, kids can learn the designs of complex transport machines, and understand the movement and the function of different types of mechanical structures, including: gear racks, cams, and worm gears. It helps kids to develop the foundations of mechanical machine design. The set includes 20 lesson plans, including 16 models and 4 creative works, a student workbook, and 3D Smart Manual to view the model on your tablet in 3D. Each lesson plan consists of an introduction with theory, building instructions, the experiment, improvements and evaluation.

Set of 4
\$339.95
SAVE \$99.85



Includes 20 lesson plans

328 pieces



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Facilitate real-world STEM learning

Simple & Powered Machines Curriculum Solution

LEG9686 \$279.95



This primary and high school level core set contains a brick assortment and full-colour building instruction booklets for 28 models.

Use this set with the accompanying curriculum pack to promote students' fundamental STEM understanding of simple machines, structures and mechanisms. The curriculum pack provides full lessons, extension activities and problem solving tasks, as well as teacher guides and student worksheets.



Solution includes

- Simple & Powered Machines Core Set 1
- Introducing Simple & Powered Machines Activity Pack* www
- Advancing with Simple & Powered Machines Activity Pack* www

A stimulating STEM solution

What's included in the Curriculum Solution?



Core Set ✓

Contains LEGO bricks and gears to create small models to build and explore real world mechanisms and energy concepts, motivating students STEM learning.

Curriculum content ✓

The curriculum material is based on national curriculum standards and supports teachers with easy accessible activities to deliver highly engaging STEM learning.*

Assessment tools ✓

Assessment of learning is enabled through creative assessment, teachers checklists and student self assessment tools.*

eLearning program ✓

Step-by-step tutorials to help you get started.*

Technical support ✓

Ongoing telephone and online support to help you with any questions.

Community ✓

Access to the LEGO Education community of teachers for additional ideas, tips and new connections.



What can I add on?

Expansion sets ✓

Two add-on packs are available, each with curriculum pack included. These are the Renewable Energy Add-on and the Pneumatics Add-on.

Training and professional development ✓

Check our Professional Learning calendar on teaching.com.au to find training near you.

Complementary products ✓

Technology components are also available as separate products. Please see page 31 for more information.

Replacement Packs ✓

Replacement bricks are available. Please see page 38 for more information.

*Available for free download from LEGOeducation.com/downloads

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Classroom Solutions

Simple & Powered Machines Curriculum Solution Packs

Simple & Powered Machines Curriculum Solution
LEG9686



Track, Ramp & Stand
EIS0355DYTR



MTA Storage System Double
SUN8327

3rd Party Product **exclusive**



MTA Storage System Triple
SUN8337

3rd Party Product **exclusive**



LEG9686-3N 6 students	\$799.95 SAVE \$39.90	3			
LEG9686-6N 12 students	\$1,569.95 SAVE \$109.75	6			
LEG9686-6ST 12 students	\$1,719.95 SAVE \$179.70	6		1	
LEG9686-8N 16 students	\$1,999.95 SAVE \$239.65	8			
LEG9686-8ST 16 students	\$2,199.95 SAVE \$319.60	8			1
LEG9686-12N 24 students	\$2,979.95 SAVE \$379.45	12			
LEG9686-12ST 24 students	\$3,279.95 SAVE \$519.35	12		2	
LEG9686-12NS 24 students	\$3,379.95 SAVE \$529.30	12	1	2	
LEG9686-15N 30 students	\$3,699.95 SAVE \$499.30	15			
LEG9686-15ST 30 students	\$4,099.95 SAVE \$659.30	15			2
LEG9686-15NS 30 students	\$4,199.95 SAVE \$779.10	15	2		2





Includes 20 lesson plans

156 pieces

Set of 4
\$519.95
SAVE \$99.85

Learning Lab – Electricity & Circuit Kit

GG1236K Set of 4 \$519.95
GG1236 20 Modules \$154.95

Using Gigo's Learning Lab electrical building blocks, kids will learn about series and parallel connection, as well as simple circuit designs by assembling common devices from our daily lives, such as a traffic light, an alarm and a torch, developing knowledge of electricity in the process. The set includes 20 lesson plans, including 16 models and 4 creative works, a student workbook, and 3D Smart Manual to view the model on your tablet in 3D.



Economy Electricity Kit

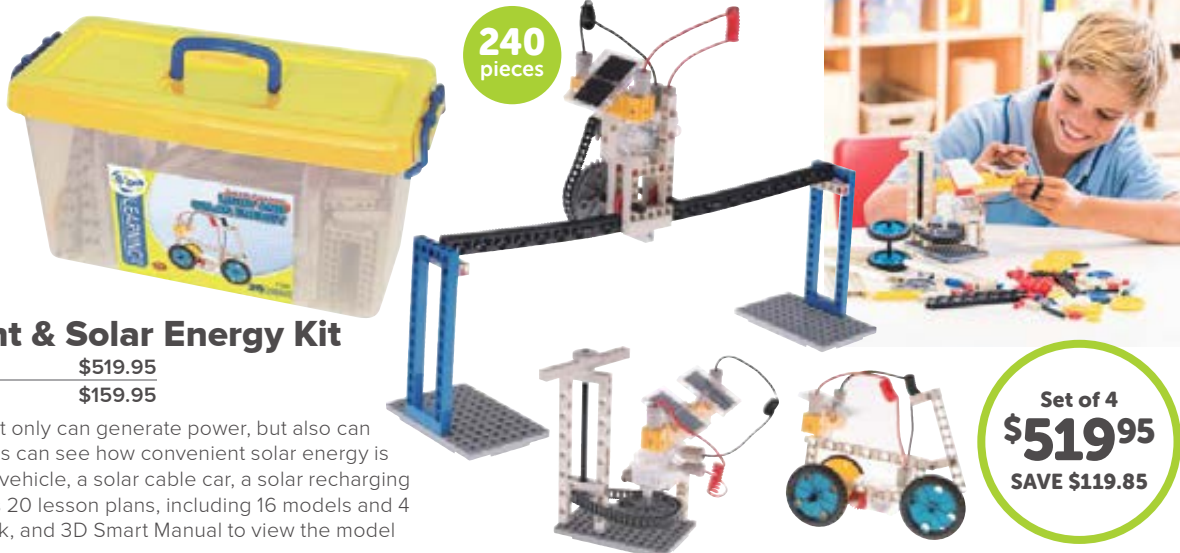
EIS1057 Kit \$46.95

A basic assortment of circuit components. Contents: 10x MES lamp holders, 10x MES bulbs, 1x 6V buzzer with connecting leads, 1x electric motor 3-6V, 5x DPDT slide switches, 1x 1.5V cell holder and 10x crocodile leads. Ages 6+ years



Includes 20 lesson plans

240 pieces



Learning Lab – Light & Solar Energy Kit

GG1240K Set of 4 \$519.95
GG1240 20 Modules \$159.95

The included Gigo's solar panel not only can generate power, but also can store energy for future use too! Kids can see how convenient solar energy is through building models of a solar vehicle, a solar cable car, a solar recharging station, and more. The set includes 20 lesson plans, including 16 models and 4 creative works, a student workbook, and 3D Smart Manual to view the model on your tablet in 3D.

Set of 4
\$519.95
SAVE \$119.85



Over 180 experiments

Click Electronics Explorers Kit

NK1005 Kit \$76.95

Over 180 exciting experiments! This explorer's kit is designed to teach children about motors, switches, sound and light. Students learn about resistance, voltage, current and the relation between them, while doing exciting experiments. Simply snap the components together! Comes with an extensive guide full of experiments and step-by-step instructions. Ages 7+ years



Over 1200 experiments

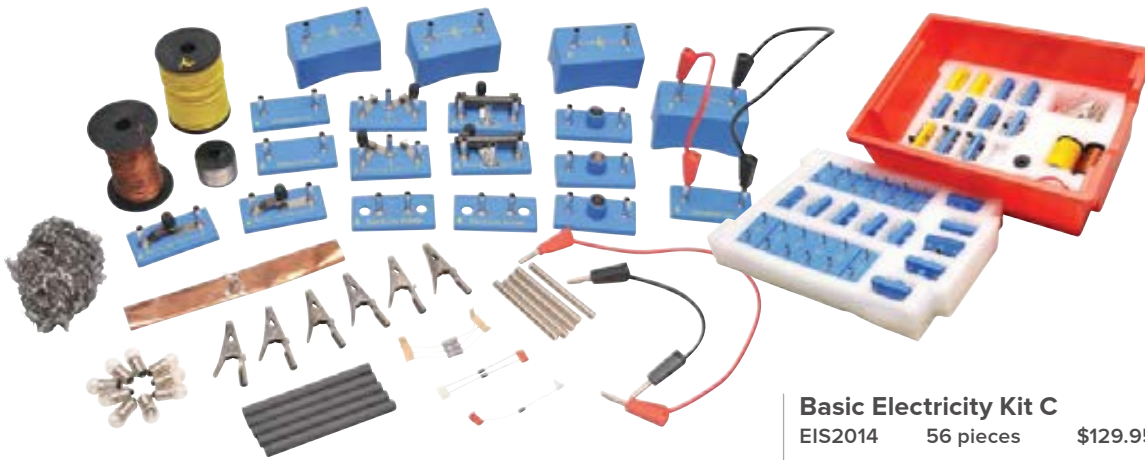
Click Electronics Extreme Kit

NK1006 \$149.95

Over 1200 exciting experiments! The extreme kit is specially designed to further challenge the students and build upon the skills already learnt and to increase knowledge of the principles of electronics in a fun way. Students can experiment by designing their own circuits and using real-life situations as inspiration. Find out about motors, switches, light, sound modules, MW radio, sensors, FM radio, resistance, capacitance, sound recording and more. Simply snap the components together! Comes with an extensive instruction guide. Ages 11+ years

Electricity Classroom Kits

These electricity kits are designed as an alternative to the 'circuit-board' to teach introductory electricity. The kits include well structured instructional material and robust components mounted on tough, plastic bases, each with two 4mm sockets. Each of the sets is packed in polystyrene trays for protection. For full specifications per set, please refer to our website.



Basic Electricity Kit D

EIS2010 172 pieces \$449.95

The Basic Electricity Kit has been designed as a low-cost, attractive and flexible alternative to the 'circuit-board' approach to investigate simple circuits. Each component such as the switch, light bulb holder, rheostat, etc., is mounted on its own individual plastic panel with 4mm sockets. The panels are then formed into circuits by connecting them together using 4mm stackable leads.

Components

- 12x D-Sided battery holders (without batteries)
- 4x Electrode holders
- 12x 4mm leads black 10cm
- 4x 4mm leads black 25cm
- 12x 4mm leads red 10cm
- 4x 4mm leads red 25cm
- 8x Crocodile clips
- 4x Universal clips
- 4x Change-over switches
- 8x Push switches
- 40x Bulbs (4.5V, 0.3A)
- 20x Bulb Holders
- 12x Carbon rods
- 8x Soft iron rods
- 4x Silicon diodes
- 50g 'Eureka' wire bare - 34swg
- 50m Copper wire bare - 20swg
- 50m Insulated copper wire
- 1x Pack of steel wool
- 4x Fixed resistors
- 4x Rheostat units
- 1x Copper foil sheet - 1 x 15cm
- 1x Teacher's book
- 2x Student books
- 2x Polystyrene storage trays

Basic Electricity Kit B

EIS2012 56 pieces \$129.95

Each class needs only one of this Basic Electricity Kit B.

Components

- 20 Replacement bulbs
- 4x Variable resistors
- 3x Motors
- 3x Buzzers
- 2x Electrodes holders
- 3x Diodes
- 3x Fixed resistors
- 4x Universal clips with 8 crocodile clips
- 6x Steel rods
- 6x Carbon rods
- Reel of plastic coated wire
- Manual

Basic Electricity Kit A

EIS2011 37 pieces \$127.95

"This kit is suitable for a group of up to 6 students. The manual included introduces each of the equipment and a range of tasks and investigations.

Components

- 6x D-sized battery holders (without batteries)
- 6x Bulbs in holders
- 3x Press switches
- 3x Two-way switches
- 18x Connecting leads
- Booklet

Basic Electricity Kit C

EIS2014 56 pieces \$129.95

The work cards included cover the following subjects: lighting a lamp, using a switch, lamps in series and parallel, conductors and insulators, heat from electricity, using motors, a model house, and making an electromagnet.

Components

- 20 Replacement bulbs
- 4x Variable resistors
- 3x Motors
- 3x Buzzers
- 2x Electrodes holders
- 3x Diodes
- 3x Fixed resistors
- 4x Universal clips with 8 crocodile clips
- 6x Steel rods
- 6x Carbon rods
- Reel of plastic coated wire
- Manual



K'NEX Exploring Wind & Water Energy

KN77051 288 pieces \$109.95

This set allows students to experiment with wind and water power. Students will investigate the science behind these energy sources and the technologies that make them useful. Build 7 models, one at a time. Suitable for 2-3 students working in small groups. Ages 9+ years.



K'NEX Investigating Solar Energy

KN77075 192 pieces \$126.95

This set allows students to harness the energy of the sun and convert it into electricity to power the K'NEX models. Build 3 solar powered models, one at a time. Suitable for 2-3 students working in small groups. Ages 9+ years.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order



Cell Holders Stackable D-Size

EIS0957A Each \$3.60

Designed to link together in parallel or series to extend capacity or voltage. Supplied individually. Multiples shown. Illustrated battery not included.



Battery Holder – D-Size Battery

EIS0956D	For 1 battery	\$2.95
EIS0956E	For 2 batteries	\$3.95
EIS0956F	For 4 batteries	\$5.95

Made of unbreakable plastic to hold D-sided batteries. The curved sides help prevent the battery from falling out when it is upside down. Available in 3 sizes. Battery is not included.

Pack of 4



Battery – D Size

EL2321 Pack of 4 \$9.95

General-purpose alkaline D batteries. Supplied in a pack of 4. The D-sized batteries are perfect for science experiments with electrical circuits.



Lamp Holder Set

NK20505 Set of 10 \$10.50

Suitable for use with small globes (both 1.5 and 2.5V).



Small Globes

NK20506-02	1.5V – 50 pieces	\$12.95
NK20506-04	2.5V – 50 pieces	\$16.95

These screw-base bulbs will light up any science experiment. Each is 2cm long and 1.2cm in diameter.



Light Emitting Diode (LED)

EIS1019A Pack of 10 \$5.95

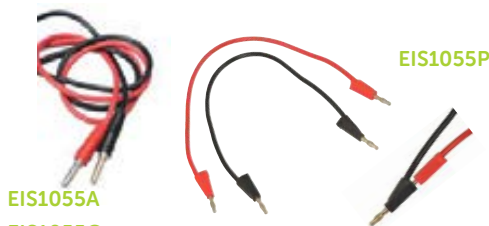
Set of 10 LED lights with red indicators with diffused lens. Maximum voltage 3.0V D.C.



Crocodile Clip Pack

NK20510 Pack of 50 \$12.95

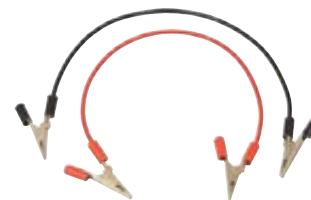
Used in school laboratories to quickly and cheaply assemble circuits. Connect various components to wires. Made from nickel plated steel. Each clip is 3.5cm and will accept a 4mm plug.



Connecting Cables – Black

EIS1055P	15cm long	\$3.60
EIS1055A	30cm long	\$3.95
EIS1055C	50cm long	\$3.50

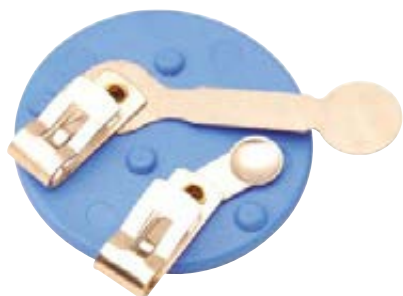
Used for the study of electrical circuits. EIS1055A and EIS1055C have 4mm plugs on both ends. EIS1055P has a 4mm stackable plug on both ends.



Connecting Leads with Crocodile Clip – Black

EIS1053A	30cm long	\$2.95
EIS1053C	50cm long	\$3.30
EIS1053G	75cm long	\$3.95

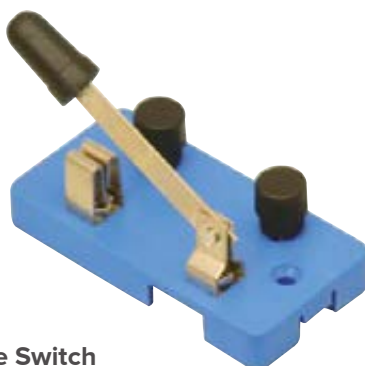
These connecting leads are insulated with a crocodile clip on both ends, for 4mm plug. Available in 3 lengths.



Switch for Electric Circuit Experiment

EIS1003 Each \$3.95

Used for the study of electrical circuits.



Knife Switch

EIS1000A Each \$5.95

Used for the study of electrical circuits.



Motor – 1.5V–4.5V

EIS1004MM Each \$2.95

Used for the study of electrical circuits.



Digital Volt Meter
EIS1102A \$39.95

Portable digital voltmeter with large LCD display of 3½ digits. Powered by 9 Volt battery, with an accuracy of +1 digit. DC voltage ranges: 0 - 199.9 mV - 200 mV, 0 - 1.99 V - 2V, 0 - 19.9 V - 20 V, 0 - 199.9 V - 200 V. DC current ranges: 0 - 199.9 μ A - 200 μ A, 0 - 1.99 mA - 2mA, 0 - 19.9 mA - 20 mA, 0 - 199.9 mA - 200 mA, 0 - 10 Amp.



Digital Am Meter
EIS1102B \$39.95

Portable digital ammeter with large LCD display of 3½ digits. Powered by 9 Volt battery, with an accuracy of +1 digit.



Digital Multimeter
NK0411 \$22.95

3 1/2 Digits LCD with a max. reading of 1999. Audible continuity & diode test and auto power off, with low battery indication. Size: 19 x 8.9 x 3.5cm. For specifications visit our website.



Voltmeter
EIS1080A \$18.95

Analogue DC Voltmeter. Measuring range: 0-15V.



Ammeter
EIS1074 \$18.95

Analogue DC ammeter. Measuring range: 0-3A.



Resistance Coils
EIS1143A 1 ohm resistance \$6.50
EIS1143C 5 ohm resistance \$5.95

Resistance coils for studying flow of electricity.



Solar Energy Kit
EIS1321 \$74.95

Use knowledge of solar energy in a practical experiment with this kit. A solar panel housed in a plastic box, a low consumption motor with fan, a buzzer and an LED are all included for conducting a series of solar powered activities.



Hand Dynamo Generator
EIS1229HG \$24.95

Made with a clear plastic casing, students can clearly see the motor, gears and wiring. Convenient screw terminals allow for easy experiment hook-ups.

Van de Graaff Generator
EIS0920 \$299.95

Designed for electrostatic experiments where continuous source of high voltage is required. Fitted on a base with smooth running AC motor (operates on 220 volts, AC 50Hz).

Key features

- Charge collecting Belt: Silicon rubber with excellent insulation.
- Tracking: Belt-tracking easily adjusted.
- Charge collecting combs: Aluminium mesh, clearly visible.
- Aluminium Sphere: 15cm diameter.
- Connections: 4mm sockets in dome and base.
- Discharger: Spherical 10cm diameter with insulated handle and 4mm sockets.



Mounted Solar Cell
EIS0467L \$42.95

For use with the motor to demonstrate the production of electrical energy directly from light energy.



Buzzer
EIS1056H Each \$13.95

Mounted on base. A low current buzzer of 2mA approximate capacity.





Includes:

- Activity booklet
- 9V Battery + cable
- MotorMate
- Screwdriver
- Power module
- Slide dimmer module
- Pressure sensor module
- Roller switch module
- Sound trigger module
- Pulse module
- Vibration motor module
- Servo module
- 2 x Long LED module
- Fan module
- Branch module
- 2 x Wire module

littleBits Premium Kit – 14 Modules

LIB002 \$259.95

This set contains some of our absolute favourites, like the Slide Dimmer and the Servo Motor, so you can build the interactive creations you've been dreaming of. The Premium Kit is a sure-fire way to keep the creativity flowing! The set includes 14 littleBits modules.

A great way to get introduced to the world of the Arduino programming environment, without the breadboarding, soldering or wiring normally required.



Make your own Etch-a-Sketch™!



Includes Arduino module

littleBits Arduino Coding Kit

LIB606 \$259.95

This kit contains everything you need to get started with electronics and programming. Make your own Etch-a-Sketch™! Program a visual display! We'll walk you through the basics using the Arduino programming environment, without the breadboarding, soldering or wiring normally required. Modules included are a bargraph, button, power, fork, Arduino, battery & cable, 2 dimmers and a servo Bit, and 2 Mounting boards.

Includes:

- The kit includes everything you need to get started (battery + power included!) right out of the box.
- Build with 8 Getting Started sketches, including a DIY Etch-a-Sketch™, Mouse Control and hundreds more from Arduino's community!
- Communicate with software (Processing, MaxMSP, Flash, etc.)
- Snap modules easily to 3 inputs and 3 outputs on the Arduino module, as well as additional I/O for advanced hardware interaction
- Download the Arduino software for free from www.arduino.cc



littleBits Gizmos & Gadgets Kit

LIB680 \$429.95

The Gizmos & Gadgets Kit, 2nd Edition is the ultimate invention toolbox. It turns screen time into hands-on learning. The kit is bursting with motors, wheels, lights, servos - everything you need to spark creativity and fun. Start with step-by-step instructions to build fun DIY games, cars, gadgets and more. Then tilt, shake, or tap your phone to make them do tricks! Create a car and let your phone do the steering. Or a caterpillar that crawls with the tap of a tablet!

Key Features:

- 13 electronic building blocks, instructions for 16 inventions, 1 challenge, and all the accessories and tools you need to unleash the inventor within.
- 1 huge invention guide - get step-by-step instructions for inventions and challenges, plus ideas for spin-offs and totally new creations.
- Create inventions you control from a smartphone or tablet and turn screen time into hands-on learning.

Bring STEAM learning to the classroom

littleBits STEAM Student Set

LIB847 \$499.95

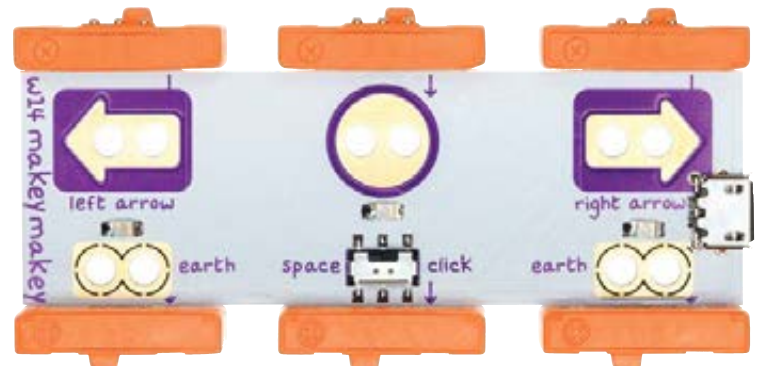
Sets you up for 16+ hours of STEM/STEAM teaching with 8 engaging challenges, and additional companion lessons. The set comes with 19 bits, 45 accessories and a booklet. We walk you through every step with comprehensive lessons and guides. Students engage with electronics by completing 8 challenges that progress in difficulty, with 10 companion lessons for educators. With the inclusion of Art in STEM, students are empowered to think creatively and design and engineer solutions to real-world problems. Comes with a 120+ page teacher guide. Find the full specs on our website.



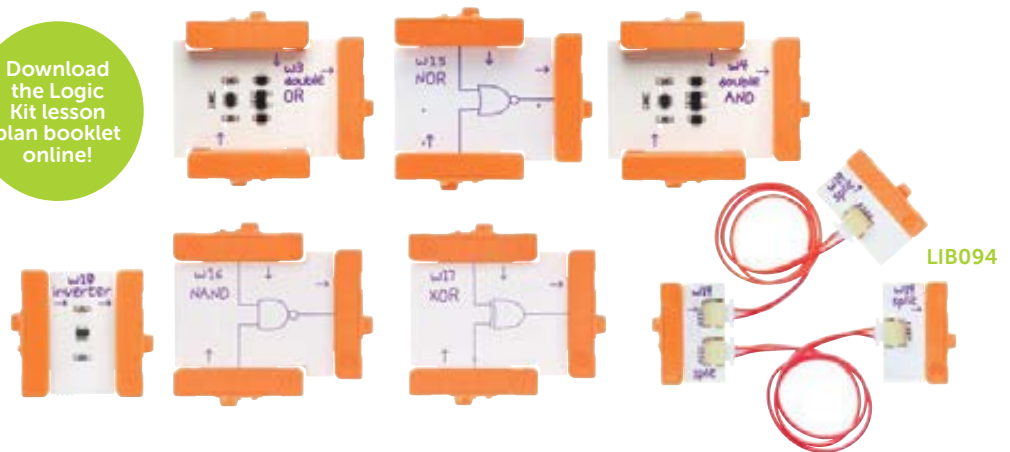
littleBits Makey Makey Module

LIB846 \$99.95

Now you can use everyday objects to trigger your Bits and control cursors on your computer's keyboard, or even control your computer with Bits. Make a touchpad out of ANYTHING by attaching alligator clips (4 are included) to the Makey Makey Bit. The module connects to a computer through a micro USB cable and has three Makey Makey inputs which are mapped to left arrow, right arrow, and space bar/mouse click. Each one of these key inputs can be controlled by littleBits modules like motion triggers or light sensors.



Download the Logic Kit lesson plan booklet online!



Modules included:

- Double AND** - for projects in which you want two actions to trigger another
- Double OR** - when you want to detect two inputs but don't care which input is activated
- NAND** - when you need an output to go OFF when both inputs are triggered
- NOR** - when you want the output to be ON unless one or both of its inputs are triggered
- XOR** - for projects in which the activation requires input alternation
- Inverter** - use in combination with logic gates to change how the logic works. Place it after the output of a gate and change the logic completely. Place it before one input and change the logic going into the gate from that input.

littleBits Logic Modules

Module ID	Description	Price
LIB800K	Set of 6 Modules	\$109.95
LIB820	Double OR Module	\$20.95
LIB821	Double AND Module	\$20.95
LIB824	Inverter Module	\$20.95
LIB825	NOR Module	\$20.95
LIB826	NAND Module	\$20.95
LIB827	XOR Module	\$20.95
LIB094	Split Wire	\$36.95

Logic modules create rules for your circuit to follow, enabling you to create more complex interactions. The logic modules should be used in combination with other littleBits modules like input, output and power modules (available on teaching.com.au). This kit consists of one of each of the 6 logic modules. Please note: The split wire (LIB094) is not included in the kit and sold separately.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Makey Makey

Complexity: From beginners to intermediate

Extendibility: add any material that conducts a tiny bit of electricity. The extendibility is endless!

Programming Language/Software: No software required. Makey Makey works with any software that uses the keyboard or mouse

Age Group: 8+ years

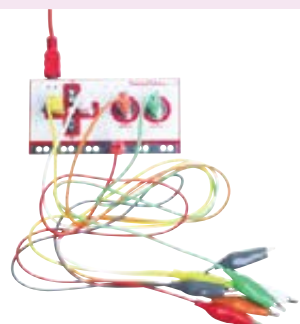
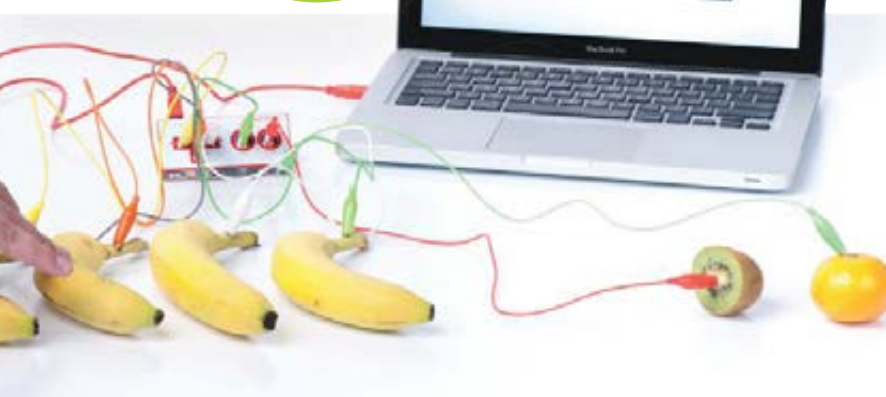
Curriculum Links: ACTDEK004/11/13/20/23/3447 - ACTDIK001/14 - ACTDEP007/16/26/37 - ACTDIP011/18



Makey Makey, the invention kit for everyone, is a simple circuit board that lets you reprogram the world by connecting everyday objects to a computer. Play Mario on Play-Doh or Pianos on Bananas. Makey Makey lets you rewire the world! Warning: extended use may result in creative confidence.

Turn anything into a keyboard!

Set of 10
\$849.95
SAVE \$149.55



Makey Makey Classic

MKK001	Each	\$99.95
MKK001-5	Set of 5	\$459.95
MKK001-10	Set of 10	\$849.95

Makey Makey is an invention kit for the 21st century. Turn everyday objects into touchpads and combine them with the internet. It's a simple invention kit for beginners and experts doing art, engineering, and everything in between. You can connect up to 18 inputs to the Makey Makey (6 on the front and 12 on the back). Each set includes 1 Makey Makey, 7 Alligator Cables, USB Cord, 6 Connector Wires, 1 Tin Case, Stickers, and Instructions.

Key Features

- Turn everyday objects like bananas into touchpads
- Connect the world around you to your computer! Setup takes just seconds.
- Just plug, clip, and play. No programming knowledge needed.
- 1000s of possibilities. Draw your own game controller! Dance like never before!
- No software to install. Works with Mac and Windows
- 18 touch inputs
- Works with any material that can conduct at least a tiny bit of electricity
- Connects by USB

new

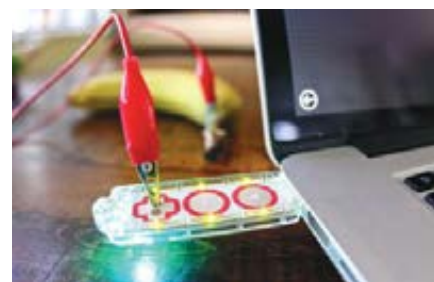
Makey Makey GO

MKK002	Each	\$49.95
MKK002-5	Set of 5	\$229.95
MKK002-10	Set of 10	\$399.95

Makey Makey GO allows today's tinkerers, dreamers, and makers the mobility to invent anytime, anywhere. Makey Makey GO enables you to invent on the go – and change the world – with the snap of an alligator clip, transforming everyday objects into Internet touchpads. The small size of the Makey Makey GO promises to inspire even more science, technology, engineering, and math (STEM) projects than the original! Just plug, clip, and play! No programming knowledge needed. No software to install. Works with Mac and Windows. Included: 1 USB Invention Stick, a case with magnet, 1 white alligator clip (2.5 ft), a keyring, and instruction guide.



Set of 10
\$399.95
SAVE \$99.55





Teachables

Mega Classroom Magnet Kit

FD1001K 335 pieces \$179.95

This mega classroom magnet kit has everything you need to teach the wonders of magnetism. This kit consists of 5 bumper cars, 40 magnetic rings, 10 magnetic characters, 10 magnetic wands, 50 magnetic balls, 5 iron filing caps, 5 giant horseshoe magnets, 10 bar magnets and 200 steel chips, all packed in a handy storage box. The intended use of this kit is for educational purposes. Total of 335 pieces.



335 pieces



Lakeshore
LEARNING MATERIALS

Magnet Kit

LS512-1 Over 100 pieces \$159.95

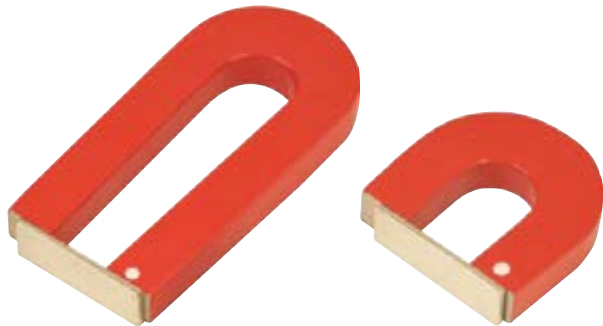
This kit has all your classroom needs, including horseshoe magnets, powerful bar magnets, magnetic wands, compasses and more. Plus, you get handy activity cards filled with 10 fun experiments and a non-fiction book to introduce concepts and reinforce key ideas! Total of over 100 pieces, in a tub.



Magnet Essentials Kit

LEL001K 148 pieces \$99.95

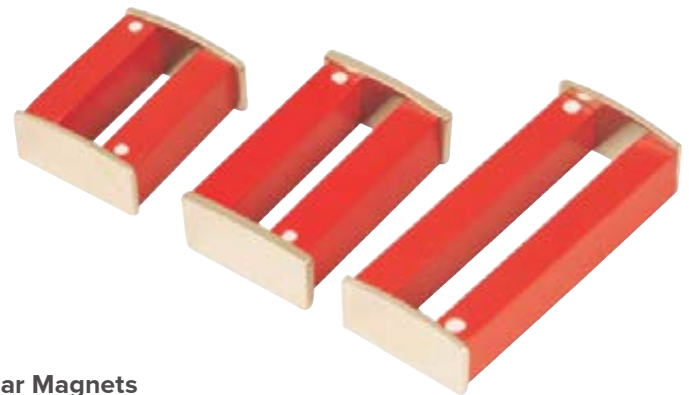
A great starter set to teach the basic principles of magnetism. The set includes 14 magnetic wands in 7 colours, each measuring 20cm, 14 colourful rectangles (6 x 2.8 x 1.3cm), 20 jumbo magnetic marbles (3.4cm in diameter) and a set of 100 steel ringed chips.



Horseshoe Magnets

EIS0781A	50 x 12 x 15 mm	\$19.95
EIS0781B	75 x 12 x 15 mm	\$29.95
EIS0781C	100 x 12 x 15 mm	\$38.95

These Alnico magnets come with keepers. Available in horseshoe magnets and bar magnets, in three different sizes. Total of over 100 pieces, in a tub.



Bar Magnets

EIS0788B	50 x 15 x 10 mm	\$15.95
EIS0788C	75 x 15 x 10 mm	\$19.95
EIS0788D	100 x 15 x 10 mm	\$25.95

These Alnico magnets come with keepers. Available in horseshoe magnets and bar magnets, in three different sizes.



The intended use of the products featured on this page are for educational purposes only. Adult supervision is required. Seek immediate medical attention if magnets are swallowed or inhaled.



Friction Rods - 30Cm

EIS0856A	Ebonite	\$4.95
EIS0856B	Glass	\$3.95
EIS0857	Perspex	\$8.50

These friction rods are used to study static and friction. Available in ebonite, glass and perspex, each rod measures 30cm in length and 12mm in diameter.



Giant Magnetic Tube

CT50066 \$42.95

This giant magnetic tube has a double wall with iron filings between the two layers to show a 3-dimensional view of the magnetic field around the magnet supplied. The magnet is removable and the filings are safely encased. Size: 9cm diameter x 13cm high.



Magnetic Marbles in Tub

CT50291 Set of 100 \$44.95

This giant magnetic tube has a double wall with iron filings between the two layers to show a 3-dimensional view of the magnetic field around the magnet supplied. The magnet is removable and the filings are safely encased. Size: 15mm in diameter.



Junior Magnet Kit

EIS0800 Each Kit \$34.95

A kit of magnets and accessories in a compartmental storage tray. Contents: 1 Horseshoe magnet with keeper (100mm) 2 Ceramic bar magnets (75 mm Long), 3 Ceramic ring magnets face polarised (38 mm dia), 2 Plotting compasses, clear both sides (19 mm dia), 1 Pack Iron Filing and one each of square iron, aluminium, zinc and copper metal. Ages 8+ years



Materials Collection Set

EIS0798C \$24.95

Twenty magnetic and non-magnetic materials supplied in a labelled pocket chart, including one of each: iron, steel, aluminium, wood, polythene, brass, rubber, copper, wool, nylon, cork, lead, zinc, carbon, glass, PVC, cotton, cardboard, perspex and nickel.

Set of 16



Metal Discs

EIS0798B Set of 16 \$24.95

For demonstrating that some metals are magnetic whilst others are not, and for general 'metal identification' exercises. Comprises 16 discs, 2.5cm diameter, 2 each of mild steel, stainless steel, brass, zinc, nickel, bronze, aluminium and copper. One of each pair is stamped with the name of the metal, the other is unmarked. Ages 8+ years



Coil & Core Activity Set In Gratnell Tray

EIS0850 \$279.95

This set allows students to study not only how different transformers work, but also study several different properties of induced magnetism. This kit consists of a plastic base, a laminated iron core, mounting fixtures and six coils protected in a heat resistant film. Includes extensive instructions.

The intended use of the products featured on this page are for educational purposes only. Adult supervision is required. Seek immediate medical attention if magnets are swallowed or inhaled.



Set of 7

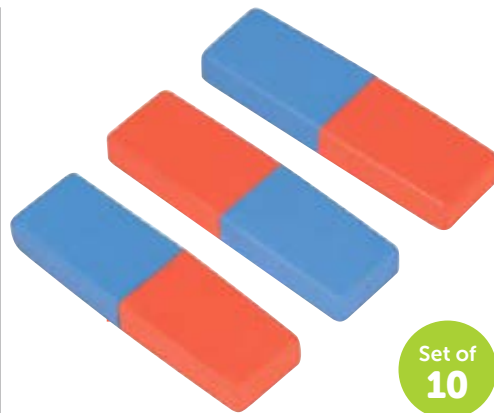
Magnetic Wands

LEL333

Set of 7

\$34.95

A set of 7 magnetic wands, supplied in 7 vibrant colours. Each wand measures 20cm. Colours may vary. Ages 8+ years



Set of 10

Plastic Cased Bar Magnets

EIS7850

Set of 10

\$39.95

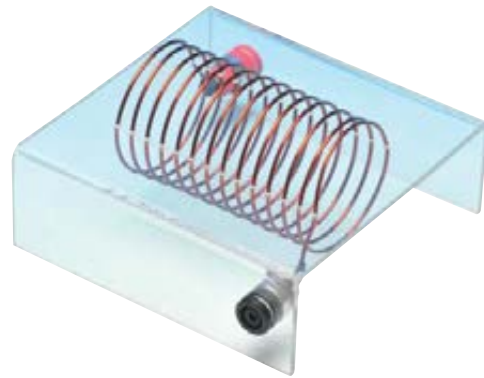
Red and blue plastic covered bar magnets. These magnets are attractive as well as an easy way to teach magnetic attraction and repulsion. Ages 8+ years


Giant Horseshoe Magnet

FD00001

\$12.50

Children feel magnetic force like never before with this extremely powerful magnet. This giant 21cm easy-grip magnet has clearly identified poles. Supplied in assorted colours. Ages 6+ years


Magnetic Field Demonstrator- Long Solenoid

EIS0803B

\$29.95

For investigating the magnetic field associated with a solenoid coil. Coil is 51x92mm (dia x length) - copper wire is 1.5mm diameter.



Set of 7

Magnetic Rectangles

LEL336

Set of 7

\$16.95

These magnetic rectangles measure 6 x 2.8 x 1.3cm approximately and are supplied in a set of 7. Ages 8+ years



Set of 10

Jumbo Magnetic Marbles

LEL160

Set of 10

\$12.95

The jumbo sized magnetic marbles measure approximately 3.4cm in diameter. Watch as they spin, attract and repel each other on a table ... a fun way to learn about magnetism! A set of 10 marbles. Ages 8+ years



Set of 10

Round Iron Filing Discs

CT50351

Set of 10

\$35.95

Filings encased in a plastic bubble, used to observe the effects of invisible magnetic fields. Supplied in a set of 10 discs. Each disc measures 8.5cm in diameter.


Iron Filings Shaker

EIS0799B

100g

\$6.95

Iron filings in plastic shaker, ideal for magnetic flux experiments. The shaker includes 100g of iron filings.


Iron Filings Case

LEL0220

\$4.95

This case contains iron filings which will be attracted to a magnet. Size: 9.5 x 7cm. Ages 6+ years

The intended use of the products featured on this page are for educational purposes only. Adult supervision is required. Seek immediate medical attention if magnets are swallowed or inhaled.


Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Light, Colour, Refraction & Reflection Kit

ESC007P \$399.95

Learn everything about colour mixing, rays of light, reflection and refraction! This kit is a great collection of resources to learn about focal points, angles of light rays and much more. Contents may vary.

~~\$619.45~~
\$399.95
SAVE \$219.50



Kit includes

- Optical bench
- Glow in the dark LED torches – Set of 12
- Newton colour mixing model
- LED ray box
- Acrylic blocks – Set of 7
- Glass lenses – Set of 6
- Refraction tank – Set of 4
- Wooden lens holder – Set of 4
- Refraction & reflection demonstration model
- Mounted mirrors – Set of 10
- Colour paddles – Set of 15



Optical Bench Kit

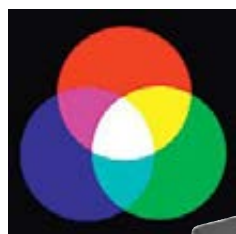
EIS0649 \$143.95

This kit is ideal for introductory optics investigations. Set comprises of: 1 bench (1m), 8 pcs riders with tightening screw, 1 lamp (12V, 24W), 6 pcs lens holder for 50mm dia lenses, 1 each lens biconvex +10, +20, +50, 1 pc lens bi-concave -20, set of diaphragms, 1 plain mirror (10 x 10cm), 1 translucent screen (10 x 10cm), 1 transparent screen (10 x 10cm), 1 object screen white (10 x 10cm).

Ripple Tank - Waves & Wave Motion

EIS0767A \$269.95

This ripple tank can be used to illustrate important wave motions like rectilinear and circular. With illuminator lamp and important accessories included it forms a complete ready to use unit. The unique design and size allows it to be used on an overhead projector as well. It comprises of a moulded frame with an acrylic window. Scratch-resistant supported by adjustable legs. Supplied with operating instructions and complete with all accessories.



Colour Mixing Demonstration Box

EIS1400 \$99.95

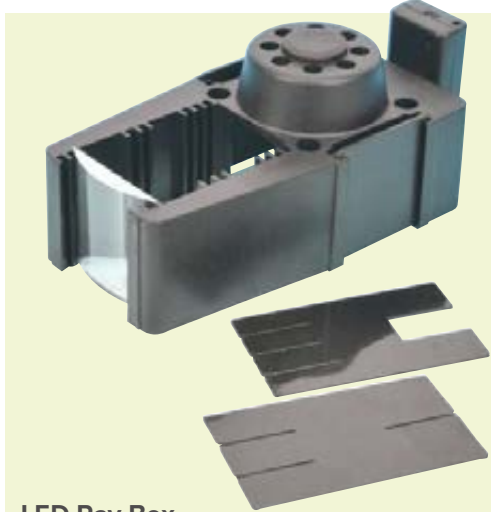
The science of light and colour is a fun topic that is further amplified by this colour mixing table demonstrator. There are three separate LEDs - red, blue and green - which are controlled each by a separate potentiometers. The LEDs can be projected onto a piece of paper or wall. Create 1000s of different colour combinations! The model is powered by an adaptor (not included).



Direct Vision Spectroscope

EIS0595 \$90.95

This direct vision spectroscope has a strong housing and is excellent for student use. It has a very bright 600 lines/mm holographic replica granting a very good resolution. The bright bands of the dominant wavelengths are clearly visible against the scale.



LED Ray Box
EIS006RB \$49.95

This ray box uses LED light and is battery operated, therefore the body of the box will not heat up with high power bulbs. A front opening provides 7 grooves for accessories and lenses. Perfect for experiments with divergent and convergent light rays. Supplied with 2 metres of flex and two 4mm plugs, 12V, 24W B15 bulb, bulb holder, slit plate, aluminium blanking plates and working instructions.



Set of 7 Acrylic Blocks
EIS0571 Set of 7 \$56.95

A great set of 7 clear acrylic blocks, all 25mm thick in a wooden storage box. Contents: rectangle (75 x 50mm), semi circular (75mm dia.), triangle 60° x 60° x 60° (58mm side), triangle 90° x 45° x 45° (75mm hypotenuse), triangle 90° x 60° x 30° (75mm, hypotenuse), bi-concave (75mm long, curved faces 100mm radius), bi-convex (75mm long, curved faces 100mm radius).



Newtons Colour Disc
EIS0583 \$40.95

Teach movement and colour in science. This colour disc is useful for demonstrating that white light may be composed from all the spectral colours by rotation of multi-coloured disc. The disc is 17cm diameter, with easy spinning belt drive system. Total height is 32.5cm.



LED Ray Box & Acrylic Blocks Kit

EIS0571K \$89.95

Kit of 1x Acrylic Blocks Set (EIS0571) and 1x LED Ray Box (EIS006RB).

~~\$106.90~~
\$89.95
SAVE \$16.95



Light Box and Optical Set 12V
EIS0615 \$139.95

This is the perfect set for reflection, refraction and colour mixing. The light box consists of a light source 12 V, 24W lamp, producing convergent, divergent or parallel beam. On one end, there is an adjustable convex lens, on the other side of the light box is a triple aperture system for colour mixing experiments. The set includes acrylic blocks, 3 mirrors, 2 slit black plates, one with three narrow slits at one end and one narrow slit at the other end. Another black plate with four narrow slits at one end and one wide slit at the other end, 7 mounted colour filters. Supplied with working instructions. Power supply required (not included).



Super Spring
CUS0304 Each \$9.95

This metal super spring can 'walk' down steps or go from one hand to another in a fascinating motion. It is 6cm in diameter.



Set of 16
\$56.95
SAVE \$6.25

Glow in the Dark Torch – Assorted Colours LED
UB0241 Each \$3.95
UB0241K Set of 16 \$56.95

These torches have 9 white LED lights, making them super bright! They also glow in the dark, so they are easy to find during a power cut. Each torch measures 9cm long x 2.6cm in diameter. They have a rubber grip and an aluminium head and end. A rubber push button turns the torches on and off. The torches are supplied in assorted colours (green, yellow and pink) and require 3 'AAA' batteries (not included). Children can explore light, shadow, shape and colour with this durable and hard wearing torch.



Free Freight

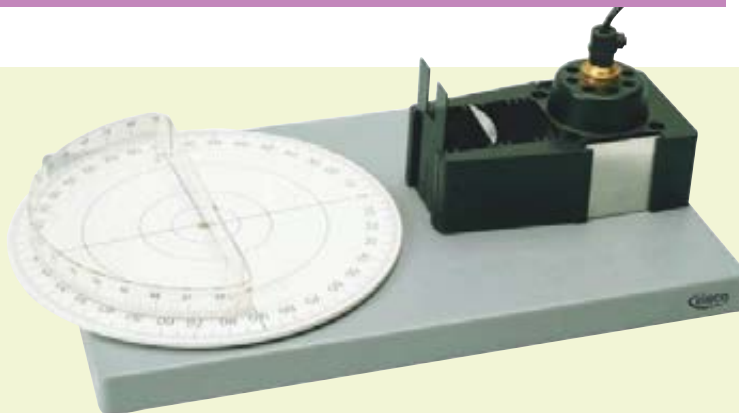
Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Investigate the reflection of light in a liquid



Refraction Tank
EIS0585B \$11.95

This refraction tank is an ideal resource to show refraction and reflection of light in a liquid. This tank can be filled with water or any other type of liquid. Size: 20cm in diameter.



Refraction & Reflection Demonstration Model
EIS0614A \$99.95

Investigate the refraction and reflection of light in a liquid with this demonstration model. It's easy to rotate the base and read the angles of the refraction without disturbing the light source. It includes an acrylic semi-circle that can be filled with different mediums to measure the index of refraction. A light source is mounted on the base with a single, double, triple and wide slit attachment, 2 metal shields to block the light and an acrylic lens to focus the beam of light. Includes teacher's instructions. A power supply is required (not included).

~~\$147.75~~
\$129.95
SAVE \$17.80



Refraction & Reflection Kit

EIS0614K \$129.95

This kit consists of the refraction & reflection model (EIS0614A) and 4 additional refraction tanks (EIS0585B), which allows you to quickly compare the refraction and reflection of light through different liquids.

Safety Mirrors

LS469 Pack of 12 \$59.95

Perfect for light experiments, this shatterproof mirror is classroom safe. Pack of 12 plastic mirrors, each measuring 7.5 x 10cm.



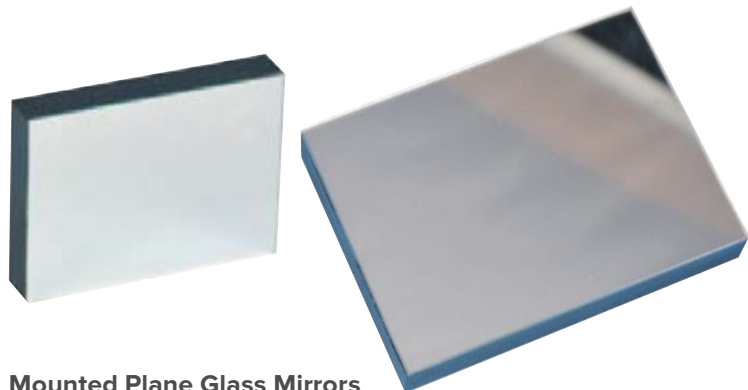
LED Light Box & Optical Set with Work Cards

CT8227 \$229.95

Ideal for the study of light and optics with experiments to show refraction and reflection through various shaped prisms and lenses. This comprehensive set includes a 3 beam ray box and an array of lenses and prisms. Teacher's notes and 9 student work cards are included. Suitable for ages 8+.



With teacher's notes and student work cards

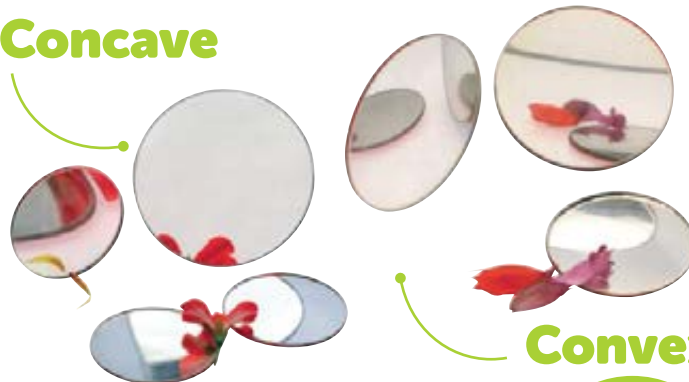


Mounted Plane Glass Mirrors

EIS0515CK	10 x 7.5cm – Set of 10	\$49.95
EIS0515C	10 x 7.5cm – Each	\$5.80
EIS0515EK	15 x 5cm – Set of 10	\$56.95
EIS0515E	15 x 5cm – Each	\$6.50

These plane glass mirrors are mounted on a wooden block (approx. 20mm thick), which makes them an ideal resource for light reflection and refraction. Silvered back with protective coating.

Concave



Convex

Mirrors – 7.5cm Diameter

EIS0526K	5 x Concave + 5 x Convex	\$59.95
EIS0520H	Concave	\$7.20
EIS0526H	Convex	\$7.50

Both the concave mirror and convex mirror have a diameter of 7.5cm and a focal length of 7.5cm. Both mirrors are optically worked, silvered back with protective coating.

EIS0526K
\$59.95
SAVE \$13.55



Set of 8
\$29⁹⁵
SAVE \$5.70

Bi-convex Lenses

EIS0534-K	One of each lens – Set of 8	\$29.95
EIS0534-38V	3.8cm Diameter – 10cm Focal Length	\$2.50
EIS0534-50V	5cm Diameter – 10cm Focal Length	\$2.80
EIS0534-G	5cm Diameter – 5cm Focal Length	\$4.95
EIS0534-I	5cm Diameter – 15cm Focal Length	\$2.50
EIS0534-L	5cm Diameter – 50cm Focal Length	\$1.95
EIS0534-N	7.5cm Diameter – 10cm Focal Length	\$8.25
EIS0534-O	7.5cm Diameter – 15cm Focal Length	\$6.20
EIS0534-P	7.5cm Diameter – 20cm Focal Length	\$6.50



Set of 8
\$29⁹⁵
SAVE \$5.70

Bi-concave Lenses

EIS0536-K	One of each lens – Set of 8	\$29.95
EIS0534-38C	3.8cm Diameter – 10cm Focal Length	\$2.50
EIS0534-50C	5cm Diameter – 10cm Focal Length	\$2.80
EIS0536-G	5cm Diameter – 5cm Focal Length	\$4.95
EIS0536-I	5cm Diameter – 15cm Focal Length	\$2.50
EIS0536-L	5cm Diameter – 50cm Focal Length	\$1.95
EIS0536-N	7.5cm Diameter – 10cm Focal Length	\$8.25
EIS0536-O	7.5cm Diameter – 15cm Focal Length	\$6.20
EIS0536-P	7.5cm Diameter – 20cm Focal Length	\$6.50


Glass Lenses in Box

EIS0538A Set of 6 \$29.95

Each lens has a diameter of 5cm. With ground and polished faces and ground edges. One each of double convex, plano convex, converging concave-convex, diverging concave-concave, double concave, plano-concave. Supplied in box.


Wooden Lens Holder

EIS0550A 10cm \$6.15

Wooden lens holder to take lenses or mirrors up to 76mm diameter. The holder measures 10cm high, with V shape slot to hold a convex or concave lens. The base measures 10 x 5cm. An index mark is engraved on each end of the base. Illustrated lens is not included.

EIS0555K
\$69⁹⁵
SAVE \$15.05


Prisms – Acrylic

EIS0555K	5 x Equilateral + 5 x Right Angle	\$69.95
EIS0554C	Equilateral	\$8.50
EIS0555C	Right Angle	\$8.50

These prisms can be used to demonstrate the refraction of light, ideal for optics experiments. The equilateral prism is 7.5cm in length x 2.5cm in height. The right angle prism is 7.5cm in length x 2.5cm right angle side x 3.5cm hypotenuse. The kit (EIS0555K) consists of 5 equilateral and 5 right angle prisms.


Glass Block – Rectangular

EIS0566B	7.5 x 5 x 1.8cm	\$6.30
EIS0566C	10 x 6 x 1.8cm	\$7.50

Glass block used to demonstrate refraction of light. Made of optical glass with high refractive index.


Semi Circular Block – Acrylic

EIS0570A Each \$5.50

Experiment with reflection and refraction. Clear acrylic, all faces fully polished. Size: 9cm in diameter and 1.6cm in thickness. Multiples shown.

Pair of Narrow Prisms

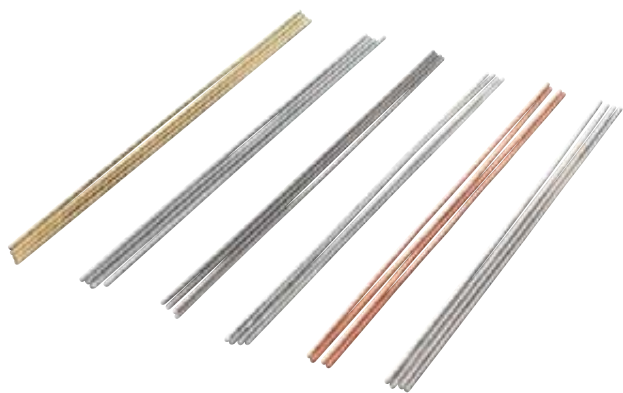
EIS0564 \$12.50

Designed to provide a progression of ideas from the principles of refraction in prisms to the properties of lenses. Each acrylic prism is in the form of a narrow isosceles triangle 1.5 x 6 x 2cm base, height, thickness. When placed base to base, a convex lens may be simulated. When placed vertex to vertex, a concave lens may be simulated.



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Rods For Thermal Conductivity

EIS0397G 6 Rods \$14.95

An ideal resource to demonstrate thermal conductivity experiments. Consists of a set of 6 different metal rods. Each rod is 300mm long x 3mm dia. The metals provided to demonstrate thermal conductivity are iron, copper, aluminium, lead, brass and zinc. Multiples are shown.



Calorimeter

EIS0440A	Aluminium	75 x 50 mm diameter	\$4.95
EIS0440B	Aluminium	100 x 75 mm diameter	\$6.95
EIS0438A	Copper	75 x 50 mm diameter	\$8.95
EIS0438B	Copper	100 x 75 mm diameter	\$13.50

Calorimeter with parallel sides and rolled rim, without stirrer. EIS0438A and EIS0440A - calorimeter measures 75 x 50 mm diameter. EIS0438B and EIS0440B measure 100 x 75 mm diameter.

Calorimeter Double Wall Electric – Small

EIS0453A Each \$35.95

This is a high quality double wall calorimeter with aluminum vessels. The calorimeter has a heating coil of about 5 watt mounted with the help of binding rods on the cover. The heating coils are easily replaceable. Includes a stirrer with an insulated handle, a single hole rubber stopper, an outer calorimeter with 900 ml capacity and inner calorimeter with 250 ml capacity. It is similar to a Joules Calorimeter.



Bimetallic Strip Demonstration

EIS0383 Each \$12.70

A bimetallic strip is used to convert a temperature change into mechanical displacement. This is a single piece non-jointed bimetallic strip, the metals (copper and steel) are distinct and visible. The two different metals expand at different rates when heated.

Ring And Ball - Superior

EIS0376A Each \$46.95

An apparatus for demonstrating thermal expansion, comprising of a 3cm brass ball with ring, adjustably mounted on a heavy cast iron base. Total height is 28cm.



Conductivity Star – Heat Experiments

EIS0377CS Each \$34.95

To demonstrate the different thermal conductivities of different metals - copper, brass, aluminium and iron. The apparatus consists of a support rod with a metal disc on top to which the four metal bars are fixed. By heating the metal disc, the heat conducts along the bars.

new

Human Anatomy & Skeleton Class Pack

LER6044K \$899.95

This kit is perfect to teach students about the human body, our skeleton and bones, organs and muscles. Included is one real life size unisex human torso (NK0306), 6 student sized anatomy models (FD0278), one life size skeleton model (FD160), and one of each of the charts: organs, muscular system and skeletal system (EC0100K).

~~\$1,124.40~~
\$899⁹⁵
 SAVE \$224.45



Real-life size

Real-Life Size Unisex Human Torso

NK0306 23 parts \$389.95

This outstanding torso features an exposed spine with removable vertebra and spinal cord segments, a female breast plate and interchangeable male and female genitalia. The female organs include a foetus in the womb. Dissected into 23 parts: torso, female breast plate, head, eyeball, brain, vertebra spinal nerves, lung (2 parts), heart (2 parts), liver, kidney, stomach (2 parts), intestines (4 parts), male genitalia (2 parts), female genitalia with foetus (3 parts). Made of PVC plastic. Mounted on a plastic base. Size: 85cm high.

Double sided



Double-Sided Magnetic Human Body

LER6044 17 pieces \$43.95

Twice the learning! A skeletal system on one side and major organs and muscle groups on the other! Set includes 17 realistically detailed pieces and an activity guide with reproducible diagrams. Size: 90cm.

5+ yrs

Human Circulatory System Model – Half Size

EIS0322 Each \$239.95

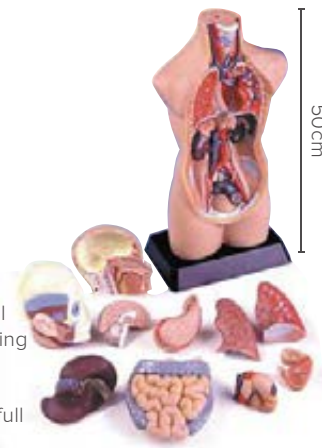
The half-size human circulatory system model is a high quality representation of the human cardiovascular system which helps students to better understand the flow of blood throughout the entire human body. Trace bloodflow away from the heart through the arteries and capillaries to all areas of the body and back to the heart through the veins. This human model is of a Coronal plane cutaway which easily highlights blood circulation to all of the major organs and extremities.



Anatomy Human Torso Set

FD05001 11 pieces \$125.95

This model shows students exactly where all organs go. They will develop an understanding of anatomy in a fun way with these 11 detachable plastic organs. A great resource for Science curriculum activities. Includes a full colour instruction. Size: 50cm high.



50cm

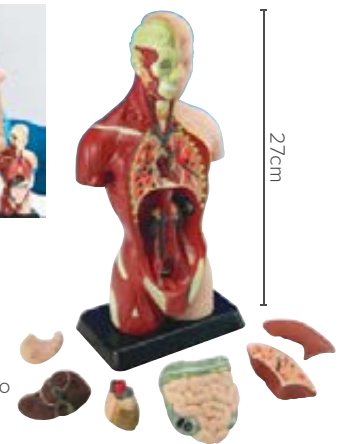
Set of 4
\$159⁹⁵
 SAVE \$15.85



Anatomy Model

FD0278 6 pieces \$43.95
 FD0278-4K Set of 4 \$159.95

Children will have a better understanding of anatomy as they examine this model. The model comes with 6 detachable parts, a torso and a base. Supplied with a fully illustrated colour instruction manual. Size: 27cm high.



27cm



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Mounting board included

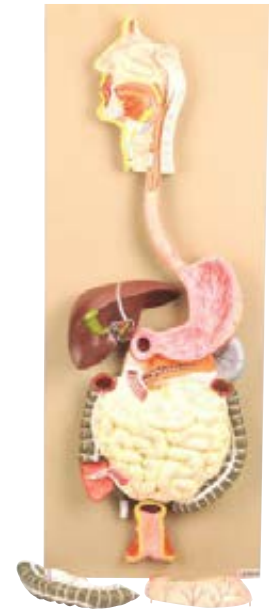


Human Digestive System Model – 2 Parts

EIS0094D \$79.95

This hand painted model shows the nose, mouth cavity, pharynx, esophagus, the gastrointestinal tract, liver with gall bladder, pancreas, spleen, duodenum, and opened cecum and rectum. Transvers colon is removable. Mounted on a base with key card. Size: 23 (L) x 48cm (H) approximately.

Mounting board included



Human Digestive System Model -3 Parts

EIS0326D \$229.95

Helps in studying general view of the peripheral and central human nervous system. The head is open to study the important features of brain and cerebellum, the pathway of the main nerves is well illustrated in relation to the skeleton. Mounted on base. Numbered with key card. Size 81 x 30 x 7 cm approx.

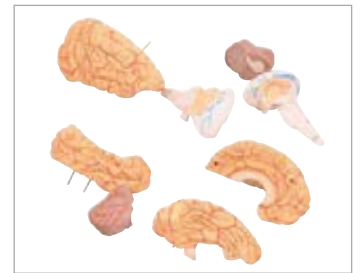
Mounting board included



Human Nervous System Model

EIS101AS \$227.95

Helps in studying general view of the peripheral and central human nervous system. The head is open to study the important features of brain and cerebellum, the pathway of the main nerves is well illustrated in relation to the skeleton. Mounted on base. Numbered with key card. Size 81 x 30 x 7 cm approx.



Human Brain Model with Arteries – 8 Parts

EIS0019 \$172.95

Life size, 8 parts medially divided shows the brain arteries as well as the removable basilar artery, both half can be dissected into temporal with occipital lobes, half of brain stem, half of cerebellum, on removable base. Numbered with key card. Size: 18 x 14 x 14 cm approx.

Human Spinal Cord and Nerves Model

EIS0102B \$69.95

This life size model shows all the important parts. The spinal cord is sectioned transversely, showing details of the grey and white matter, spinal nerve branches and the spinal ganglia. This model highlights the communication between sympathetic trunk and spinal column. Mounted on a base and numbered with an English key card. Size 16 x 16 x 29cm approx. Weight 650g approx.



29cm



24cm

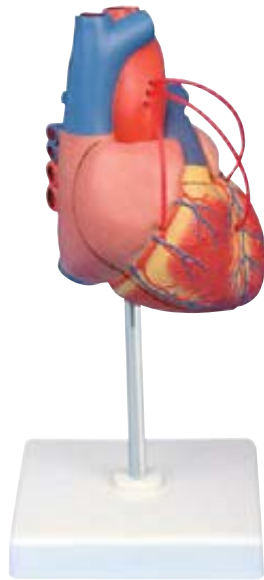
Skull

EIS0126 \$63.95

This human skull model comes in two parts, the lower jaw is removable. It's made of fibre material and comes in a natural colour. Size: 24 x 16 x 17cm approx.

Life Size Human Heart Model
NK1307 \$49.95

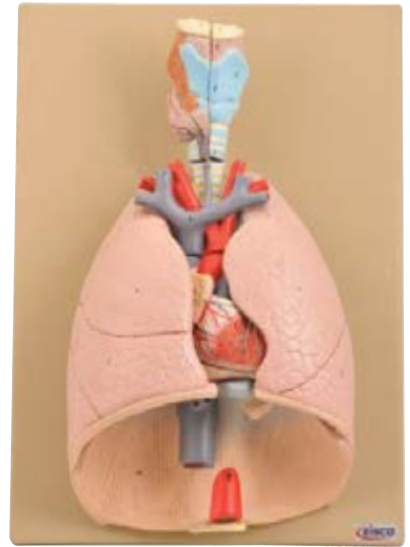
This human heart model dissects into 2 parts and is an ideal resource to teach human anatomy in primary and high schools. They help students understand the external features and the internal structures of the heart, and their relationships with the large blood vessels. It helps them to obtain a clear conception of the routes of the systemic and pulmonary circulation.



Heart & Lungs Model – 7 Parts

EIS0068B \$139.95

This hand painted, advanced heart and lung model has the following removable parts: larynx (2 parts), heart (2 parts), and lobes of the lung (2 parts). Additionally, it shows: wind pipe with bronchial tree, subclavian artery and vein, venacava, aorta, pulmonary artery, esophagus, and diaphragm. Comes numbered on based.



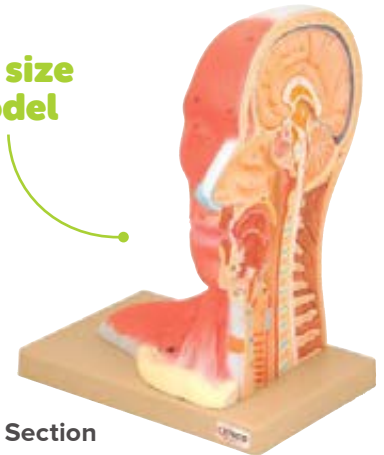
Simply pull the base and the lungs expand!

Lung Demonstration Model
NK1805 \$25.95

Students can demonstrate how the lungs work with this transparent lung model. Constructed of 2 rubber balloons, rubber stopper and bell jar. Pull the thin rubber diaphragm at the bottom of the jar down to see the balloons inhale. Push it in and the balloons will collapse (exhaling). Size: 17 x 17 x 20cm.



Life size model



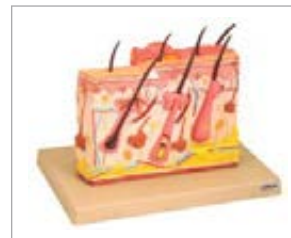
Human Head Model – Median Section

EIS0025A \$284.95

Life size model showing the outer superficial muscles, vessels, nerves and head with muscles on one side. On the outer side details of median section such as brain, mouth, larynx are shown. Mounted on base. Numbered with English Key Card. Size 25 x 23 x 33 cm approx. Weight 1200 g approx.

Ultra Structure of Cell
EIS0011 \$185.95

This model shows the structure of a cell and is numbered with an English key card. Size: 32 x 19 x 36cm, weight 3kg approx.



Model of Burned Skin – 3 Stages

EIS0310 \$119.95

The burn side of this model shows indication of 1st, 2nd and 3rd degree burns, the reverse side illustrates normal skin anatomy. The model is enlarged 6 times. Mounted on a base and numbered with an English key card. Size: 33 x 23 x 24cm approx. Weight: 1.6kg approx.



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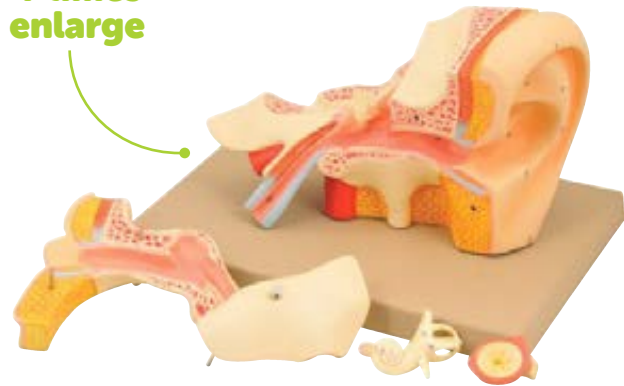


Human Eye Model – 6x Enlarged

NK0401 \$64.95

This human eye model is about 6 times enlarged and has 6 parts. It comes with a horizon section of the eyeball wall. Sclerotic membrane, choroids membrane, lens and vitreous humour are removable. The blood supply and the origins of the muscles control of the eyeball movement are also shown. On a stand with base. Size: 12 x 12 x 19cm

4 times enlarge



Human Ear Model - 5 Parts

EIS0042 \$149.95

This hand painted human ear model has the following removable parts: petros portion of the temoral bone section of the auditory canal, labyrinth, tympanic membrane with malleus, and incus.

Pelvis With Baby – Pregnancy Model

EIS0120 \$219.95

A human pregnancy pelvis model that is hand painted and has a removable fetus. It is a female pelvis in the 9th month of pregnancy and is an excellent model to study the normal position of a child before birth. Comes numbered with an English key card. Approximate size: 42 x 23 x 42 cm — 3.7 kg



Human Lungs Model

NK1802 \$127.95

This model is slightly enlarged. It shows the shape of the lungs and the bronchial tree. It comes on a stand with a base. Size; 11.7 x 11.7 x 20cm



Foetus Development – Pregnancy Model

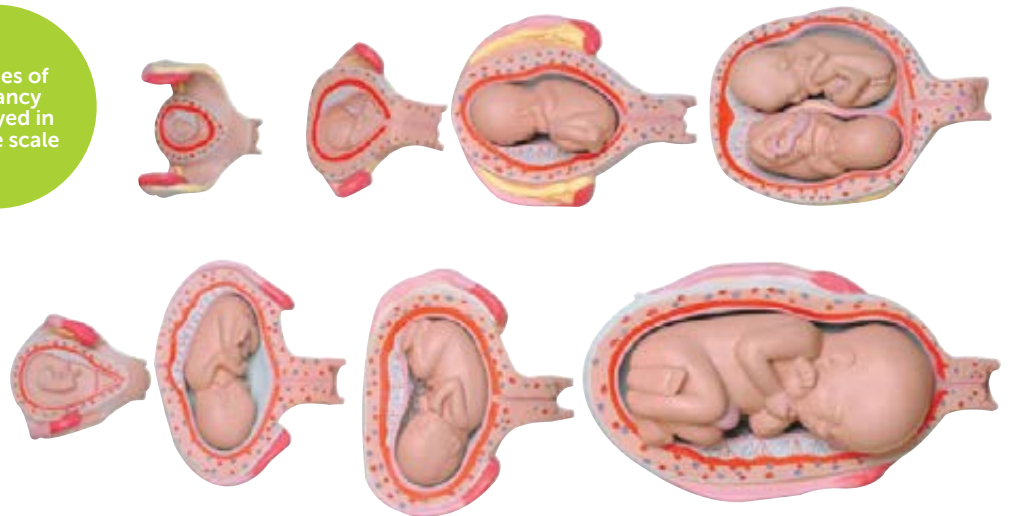
NK1404 8 Parts \$309.95

This set of 8 uterus models shows the development of embryo and foetus in detail. The following stages are displayed:

- 1st month embryo
- 2nd month embryo
- 3rd month embryo
- 4th month foetus (transverse position)
- 5th month foetus (breach position)
- 5th month foetus (transverse position)
- 5th month twin foetus (normal position)
- 7th month foetus

The embryos and foetus are removable. Each model is real life size.

8 stages of pregnancy displayed in life size scale



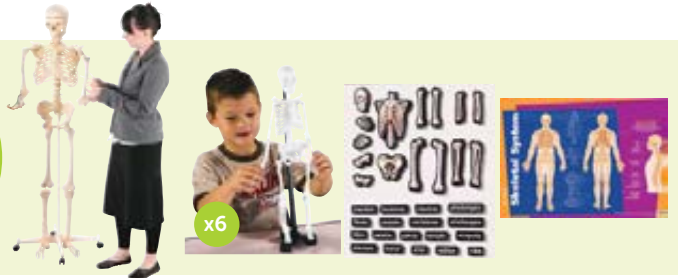
new

Skeleton Class Pack

FD160K \$549.95

A great skeleton class pack to learn everything about the bones in our bodies. This kit consist of one life size skeleton (FD160), 6 mini skeletons (FD046), the 3D skeleton demonstration magnets (EN1760) and the skeletal system chart (EC0135).

~~\$651.55~~
\$549.95
SAVE \$101.60



Life-size skeleton



Human Skeleton with Stand

FD160 \$399.95

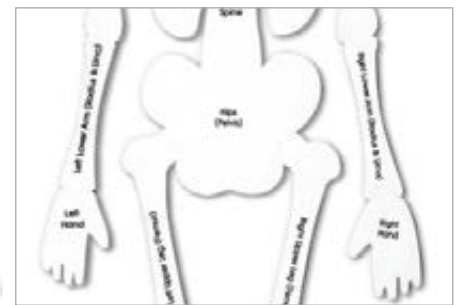
The classroom environment will benefit from this human skeleton replica. Teach students all about our different bones. Supplied with a metal stand and castors. Size: 160cm high.



3D Skeleton Demonstration Magnets

EN1760 \$92.95

Piece together a human skeleton on a whiteboard! Set includes 15 textured pieces that feel like real bones, 18 magnetic labels and an activity guide with a blackline master to label the bones. Size when assembled: almost 90cm high.



Skeleton Floor Puzzle

LER3332 15 pieces \$59.95

Kids learn all the major bones as they assemble this unique soft foam puzzle. This large 15-piece puzzle is 129.5cm when assembled. Each puzzle is labelled on the reverse side.



Skull

EIS0126 \$63.95

This human skull model comes in two parts, the lower jaw is removable. It's made of fibre material and comes in a natural colour. Size: 24 x 16 x 17cm approx.



Mini Skeleton

FD046 46cm \$24.95

A real-life model of the human skeleton with durable parts and a sturdy stand. Size: 46cm.

Half the size of an average human body

Human Skeleton on Stand

NK0003 85cm \$112.95

This model is about half the size of an adult, making it easy to carry from one place to the other. The hand and foot bones are cast in one piece, all other bones are articulated. The skull has a calvarias and a spring-held mandible. The arms and legs are removable for close study. Supplied on a base. Size: 85cm high.



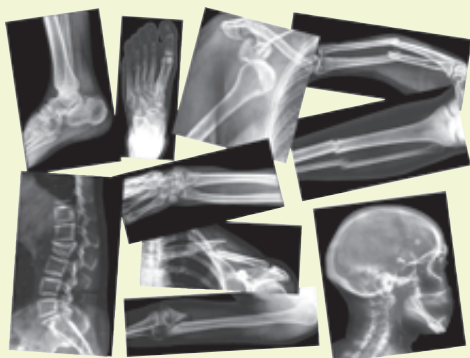
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Broken Bones X-Rays

RE5914
15 pieces \$69.95

Real x-rays reveal a detailed look of common breaks to a variety of human bones. Hold up to the light or use on a light table. An informative guide is included. A total of 15 x-rays.



Fixed Bones X-Rays Cards

RE9255 Set of 28 \$39.95

Authentic x-ray images show the hardware (plates, screws, nails, pins and wires) used to fix a broken bone. Fourteen added images of the fractures on cardstock correspond to the repair x-rays. Use with a light source to view details as a doctor would! Includes: 14 x-rays, 14 broken bone images on cardstock up to 19 x 28 cm and guide.



new

new

Broken & Fixed Bones Kit

RE9255K \$92.95

This kit includes one set of Broken Bones X-Rays (RE5914) and one set of Fixed Bones X-Rays (RE9255), to see how broken bones can be corrected again.

~~\$109.90~~
\$92.95
SAVE \$16.95

new

Set of 5
\$124.95
SAVE \$24.80



3D Virtual Spinners - The Senses

QE69160K	Set of 5	\$124.95
QE69160	3D Virtual Spinners - Eye	\$29.95
QE69162	3D Virtual Spinners - Skin	\$29.95
QE69164	3D Virtual Spinners - Tongue	\$29.95
QE69166	3D Virtual Spinners - Nose	\$29.95
QE69168	3D Virtual Spinners - Ear	\$29.95

The 3D virtual spinners use augmented reality technology to take students into amazing 3D learning environments. Bring complex anatomy models of the 5 senses to life and examine them in detail. Perfect for individual or group learning. Download the app, point your device at the Spinner and see it come to life! It contains facts, dissections and animations to further the students' knowledge. Visit our website for minimum system requirements.

Look Inside Me – MRI Scan

RE59254 Set of 3 \$59.95

Look inside the human body with full-sized, colourful MRI scans! The kit includes a full scan of the entire body (1.5m) along with two overlays revealing more details of internal organs. Rich and detailed images help students understand anatomy. Includes a comprehensive guide focusing on important bones and organs in the body. Compatible with RE5911 True-to-Life Human X-Rays.



True-to-Life Human X-Rays

RE5911
18 pieces \$59.95

Hold these life-sized human x-rays up to the light or use them on a light table and see every authentic detail of a real skeleton. Reproduce the entire body of a young adult. Teacher's guide included. 18 pieces.



~~\$119.90~~
\$99.95
SAVE \$19.95

new

Human Body X-Rays & MRI Scan Kit

RE5911K Kit \$99.95

This kit consists of one of each of the Look Inside Me - MRI Scan (RE59254) and the True-To-Life Human X-Rays (RE5911).

Mini Beasts

These real-life specimens encased in resin allow students to see a close-up of spiders and insects from different angles. They are an excellent resource to promote scientific inquiry and investigation. Suitable for a wide range of cross-curriculum activities. Each specimen can safely be used by young children. Teacher's guide included.



Mini Beasts Large Beetles & Bugs Set

KNB2216

24 specimens

\$199.95

This set includes 24 different specimens of beetles and bugs. Each resin block measures 2.8(L) x 4.3(H) x 1.9(W)cm. Supplied in storage and display box. Teacher's guide included.



Mini Beasts Large Ocean Set

KNB006

Set of 11 specimens

\$187.95

This set includes 11 different sea life specimens, from crabs to jellyfish and octopus. The largest resin block measures 7.5cm square. Supplied in storage and display box. Teacher's guide included.



Mini Beasts Large Arthropod Set

KNB005

Set of 13 specimens

\$184.95

This set includes 13 different arthropod specimens, including a dragonfly, golden scorpion, tarantula spider and more. The largest resin block measures 7.5cm square. Supplied in storage and display box. Teacher's guide included.



Mini Beasts Large Insect & Spider Set

KNB2411

Set of 15 specimens

\$191.95

This set includes 15 different spider and insect specimens. Largest resin block measures 7.5cm square. Supplied in storage and display box. Teacher's guide included.



Mini Beasts Small Insect & Spider Set

KNB2511

Set of 6 specimens

\$77.95

A set of 6 insect and spider specimens. Largest resin block measures 4.2(L) x 10.9cm(H). Supplied in storage and display box. Teacher's guide included.



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

Microscope Beginner SJ-8

EIS0002D \$219.95

The perfect microscope for primary grades.

Features:

- Mechanical Tube Length: 160mm
- 45° Inclined head
- 360° Rotatable
- Eyepieces: WF 10x
- Achromatic Objectives: 4x, 10x, 40x
- Coarse and fine focus.



Microscope Monocular

EIS007MM \$256.95

This versatile, high performance microscope comes with wide field eye pieces and provides a sharp image. It has the following features:

- Mechanical Tube Length: 160mm
- 45° Inclined Head
- Rotatable 360°
- Eyepieces WF 10x
- Objectives Achromatic 4x, 10x and 40x
- Coaxial coarse and fine focus adjustment
- Stage Abbe 1.25 NA condenser with iris diaphragm
- LED illumination
- Square Area 11 x 11.5cm.



Digital Microscope – Advanced

EIS0360 \$899.95



This advanced digital microscope has a monocular eyepiece with built-in pointer. The head is 360° rotatable and has a tube length of 16cm. It is complete supplied with software and connects via a USB cable. The 40x and 100x oil objectives are spring-mounted. Height adjustable. Focus control: Coaxial coarse and fine adjustment knobs on both sides with 0.0002 graduations. Friction of focus control is adjustable. LED illumination with internal power supply. Comes with spare fuse and dustcover in styrofoam case.



Digital Microscope – USB 5MP with Software

EL3199 \$189.95

A USB microscope with a simple but incredibly useful stand that allows students to make fine adjustments to the vertical height of the microscope and swivel the scope arm around a 360 degree range. This permits a greater level of viewing accuracy and stability. On either side of the stand there are two metal holders to lock your object in place and a printed ruler to help you get an approximate feel for the length of objects. The optics built into this microscope are excellent. The sharpness of texture on magnified objects is incredible to look at. You will spend hours searching for things to magnify. It comes with a great piece of software for capturing 5MP (2592x1944) res JPGs, BMPs, TIFFs or PNGs and 1280x960 pixel AVI files. Compatible with WinXP/Vista/7/8, Mac 10.6-10.8. Magnification ratio: 10x, 300x (at 5MP res). Find full specifications on our website.



Specifications

- WiFi/USB switchable modes
- 10m range when using WiFi
- Display image on smartphone or computer
- Base for slides observation
- Use as normal web-cam



Digital Microscope – Wireless/USB

FD079 \$111.95

This extraordinary wireless hand-held digital microscope/camera is easy to use; just connect it to your computer or even your smartphone, simply using the 10m covered WIFI, and start taking videos or photos. Alternatively, you can simply use the USB to connect to your computer and use it as a normal web-cam. You can even mount it on a standard tripod (not included). For product specification please refer to our website.



Hand Magnifiers

NK2804 Pack of 12 \$39.95

View objects up close with this set of 12 magnifiers. Each magnifier measures 15.5cm long, with a diameter of 7.5cm. The magnification is 5x. Both the frame and handle are made of plastic. Perfect for little hands!



Set of 3
\$19.95
SAVE \$5.45

Hand Magnifiers

Code	Description	Price
FD04000	Set of 3	\$19.95
FD04038	3x & 8x – 11cm long	\$5.95
FD06036	3x & 6x – 15cm long	\$8.95
FD08025	2x & 5x – 19cm long	\$10.50

Securely set lens in plastic frame with an easy-to-grip handle. Smallest magnifier is 11cm long (3x and 8x), medium magnifier is 15cm long (3x and 6x) and the largest measures 19cm long (2x and 5x).



Set of 6
~~\$113.70~~
\$94.95
SAVE \$18.75

Bigjigs – Wooden Magnifying Glass

BJT305-6K Set of 6 \$94.95

This lovely, natural wood magnifying glass is perfect for helping children get closer to nature. Perfectly sized for small hands it measures 12 x 23cm long. It is a set of 6 magnifying glasses.



Dissecting Set

EIS0152 \$19.50

Set of 7 pieces for classroom dissections. Consists of sharp head scissors, curved head scissors, a sharp head blade, bent head blade, straight head tweezers, curved head tweezers and dissecting needle. All made of stainless steel.



Dissecting Tray – Aluminium

EIS186A \$21.95

Students can place their specimen while its being dissected on this aluminium tray, which measures 20 x 15cm.



Microscope Cover Glass

EIS0094C \$4.95

Made from clear and optically glass, the cover glasses are uniform in size and free from scratches and striations. Packed in plastic box for easy handling. Pack of 10gm. Size: 22 x 22mm



Microscope Slide Frosted One End

NK7105 Pack of 50 \$4.35

Microscope slides frosted on one end on one side, with ground edges. Each slide is approximately 7.6 x 2.5cm and 1.2mm thick.



The fish tank that grows food!

AquaPonic Fish Tank with Pump & LED Round
PNP501 Each \$109.95

This aquaponic fish tank grows plants and fish in one unit! The fish fertilise the water for the plants, and the plants filter the water for the fish. The unique design of the system will suit any school or centre. The tank has a volume of 7 litres and is environmentally friendly. The fish and plants are not included.

Kit includes

- Tank
- Plant basket
- Grow medium
- LED light
- Filter
- Air pump

Aquarium Kit – Tank Including Filter & LED
PNP800 Kit \$169.95

This high-quality aquarium is perfect for classroom use. The large size makes it possible to get a good view of the underwater species. The aquarium is made of glass and measures 30 x 25 x 25cm and holds 18.7 litres. All you need to do now is to get your fish! The illustrated ornament, plants and fish are not included.

Kit includes

- Tank
- LED light and built-in filter
- 700g natural aquarium substrate
- 100ml complete water conditioner
- Small 10cm fish net
- 30g micro pellet fish food



new



Water Garden 2.0 - AquaPonic System
FLD006 Tank with seeds \$175.95
FLD006-NS Tank without seeds \$175.95

Learn about aquaponics and find out how plants and fish help each other to create a better living environment. Please note that the seeds included in FLD006 are not available in NZ/WA/TAS. We suggest the purchase of FLD006-NS (no seeds included) for these customers. Includes a fish tank and gravel, wheatgrass and snow peas sprout seeds, Growstones™, natural fertilizer, fish food and water pump.

new



Aquaponics Flower Tower
RGP0020 Each \$299.95

The Aquaponics flower tower is perfect for growing herbs, vegetables and flowers inside or out. Just add fish and seeds! The planter holds 80 litres of water and has a clear cover so you can easily view and feed the fish. The flower tower comes with 16 convenient planter locations. The water flow regulator ensures an even flow of water down the internal slides of the tube to water the plants. The plants will filter the water for the fish, while the fish fertilise the water for the plants. A perfect ecosystem! The aquaponics flower tower needs to be assembled.

Kit includes

- 1 x 80 Litre base for fish
- 1 x Planter rim
- 1 x Planter clear lid
- 2 x Bottom segments for air & Water pump
- 4 x Plant holders segments
- 1 x Segment top
- 1 x Top Water regulator
- 16 x Seed black pots
- 16 x Rockwool for seeds
- 1 x 15W Submersible Pump 1.5m max
- 1 x Air pump
- 1 x Timer
- 1 x 1.6 Metre water pipe
- 1 x Instructions



Large Aquarium
EIS0512B Each \$25.95

Transparent one-piece moulded plastic aquarium. Size 25 x 15 x 15cm.

Detailed Plant Cell

EIS0114 \$126.95

This plant cell model can be separated in 4 parts, showing details of the cell wall and inner details of the cell wall. The nucleus is separated and defined in a 3D way, a cut section of the chloroplast is shown. The model is mounted on a base and numbered with an English key card.
Size: 33 x 26 x 8cm, Weight 1.3kg approx.



Seed Germination Model

EIS0046

Each

\$74.95

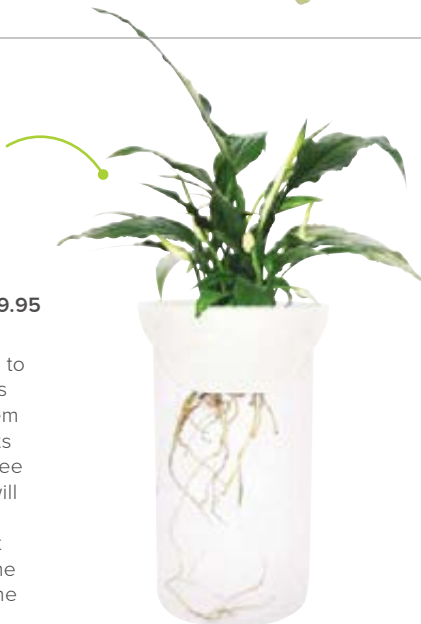
This pea model shows step by step how plants emerge from seeds and begin to grow – the germination of the pea. A labelled guide is included. Size: 40(W) x 30cm(H). Ages 6+ years

Grow plants without soil

Hydroponic Plant System

PNP502 Each \$29.95

This hydroponic plant system will show you that you don't need soil to grow your plants! The set includes the plastic hydroponic plant system and a grow medium for your plants or seeds. Try an onion bulb and see how both the roots of the onion will grow in the water, and the leaves at the top. Plants or seeds are not included. The system has a volume of 2 litres. Also suitable to hold one small fish.



Hydroponics Lab

EN5099 Set of 3 \$38.95

This set of three growing tubes is a mess-free way to explore hydroponics with water or any media. The transparent seed basket shows how the plant grows and you'll see: no soil required! Includes a write & wipe surface for specimen labels. Includes: 3 plastic test-tubes (4.5cm in diameter x 18cm high), 3 support rod tops and bottoms, 3 seed baskets and an activity guide.



Grow mushrooms in 10 days!

Mushroom Farm – Organic Oyster Mushrooms

FLD120 Each \$32.95

Grow organic mushrooms in just 10 days! Just open the box, scrape the soil, soak in water, and harvest 10 days later. Make sure you water the mushrooms daily. Students will see the oyster mushrooms pop up out of the soil! Once the mushrooms have grown to the size you want, simply cut them off and use them in your favourite dish. The box even comes with a recipe for inspiration! You can grow 1 to 3 crops out of one box.



new

Typical Flower Model - Dissectable

EIS0100 Each \$69.95

This model of a typical flower is an ideal resource to understand the principles of pollination and fertilisation. The model is greatly enlarged and made of non-breakable plastic. The flower is numbered with a key card and measures approx. 30 x 18 x 38cm.



new



Compost Kit

EN5391

Set of 2

\$42.95

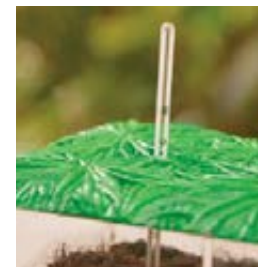
Watch closely to see the process of decomposition! The transparent composting kit comes with 2 separate containers, each with two built-in 3x magnifiers. With write-and-wipe labels to mark and date your samples. The containers come with lids and airholes and measure 12(H) x 16.5(L) cm each.



See-Through Compost Container

EN5095 Each \$63.95

Three separate, aerated compartments enable children to view the entire decomposition process clearly and make side-by-side comparisons between different materials. Included thermometers demonstrate the temperature changes during the decomposition process. Size: 33(L) x 13.3(W) x 20.3cm(H). Ages 5+ years



Bokashi One Composting Bucket

BOK001 20L \$109.95

The Bokashi One Bucket reduces the need for an outside compost pile and is easier to maintain than a worm farm. The airtight lid ensures an ideal environment for anaerobic fermentation to take place, while controlling odours and deterring flies. Placing the plastic grate inside the bucket and then piling food waste on top of it separates the food waste from the liquid that accumulates at the bottom of the bucket. This liquid can be easily drained through the tap and used as a nutrient-rich fertiliser for the garden.



Bokashi One Composting Bucket and Mix

BOK001K \$119.95

Kit includes Bokashi One Composting Bucket (BOK001) and Bokashi One Mix (BOK002).

~~\$124.90~~
\$119.95
SAVE \$4.95

Bokashi One Mix

BOK002 1kg \$14.95

Bokashi One Mix is made using a mixture of wheat bran and rice husks that have been sprayed with a group of micro-organisms that exist freely in nature. It is dried thoroughly so it can be stored for years with no loss of effectiveness. The dry ingredients in the mix are simply a carrier and food source for the micro-organisms, which are dormant when dry in the packaging and activate again when added to your waste. Bokashi One Mix ferments the waste in the Bokashi One Bucket, eliminating unpleasant odours. When the waste is buried in the soil, the mix accelerates the breakdown of the waste and adds life and nutrients to the soil. Bokashi One Mix can also be used as a great compost starter! Size: 1kg

Single Composter

ID070 70L \$129.95

Heavy duty all-season construction for year round composting. This 70 litre tumbling composter features an aeration system to speed up the composting process and saves effort in turning backyard waste into compost. Composter is UV protected and includes mixing bars and a stopper for comfortable use. Assembly required. Colours may vary. Measures 46(L) x 60(W) x 84(H)cm.



Composter 2 Cells

ID140 2 x 70L \$249.95

Heavy duty all-season construction for year round composting. Features metal legs and dual 70 litre compartments for more efficient use of home and garden waste. Features an aeration system to speed up composting process. Composter is UV protected and includes mixing bars and 2 stoppers for comfortable use. Assembly required. Colours may vary. Measures 65(L) x 60(W) x 82(H)cm.

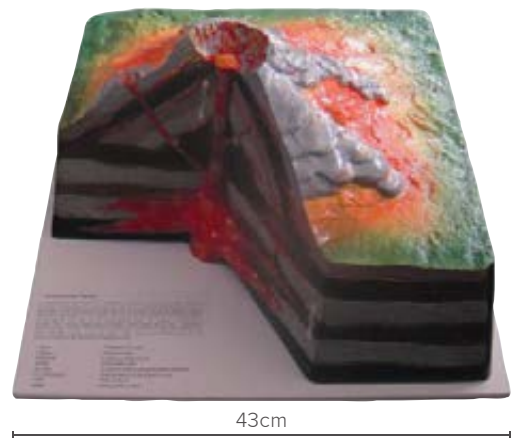




Fractures, Faults & Dislocation Model

NK1706 Each \$117.95

Learn about the most common cause of earthquakes. This colourful model shows the cross section of different structures related with fault planes and fractures. Mounted on a base. The model measures 47(L) x 14(W) x 17cm(H).



Volcano Model

NK1711 Each \$149.95

This vertical section of volcano illustrates how the extremely hot magma flows from under this Earth's crust to the top. This sturdy and durable model is mounted on a base and has a numbered legend. The model measures 43(W) x 43(L) x 17cm(H).



Measure force and duration of earthquakes

Seismograph Model

EIS0014 Each \$69.95

This seismograph model creates a visual representation of the shock waves generated by an earthquake. It can be used to teach both mathematical and geological concepts. The base of the model measures 30(L) x 15cm(W). The illustrated pencil is not included, any pencil of similar size can be used.



Climates, rainfall & temperature

Large World Charts – Climate, Rainfall & Temperature

TEB6042 Set of 3 \$134.95

This set of 3 large charts consists of one average temperature chart, one average rainfall chart and one world climate chart. Perfect for geography lessons! Find relationships between temperature, rainfall and climate by comparing the different maps. Each chart measures 100(L) x 75(H)cm.



Everyday Uses Rock & Card Set

EN5201 Each \$49.95

Identify various rocks and minerals and correlate them to their real-life uses with this hands-on rock and card set. Includes 12 rocks, storage tray and twelve 32 x 23cm double-side cards with photos and fun, kid-friendly facts of the rocks. Ages 8+ years



45 rocks, minerals & fossils included

Rocks, Minerals & Fossils Kit

EN5210K Set of 4 \$129.95

This great selection of rocks, minerals and fossils includes a fossil collection up to 70 million years old (9 fossils), an igneous rock collection which has been produced by hot volcanic magma action (12 rocks), a mineral collection (12 minerals) and a sedimentary rock collection, formed by layers of deposited matter (12 rocks). Each set comes with an identification chart, self-adhesive labels, handy storage tray and information-packed guide.

~~\$151.80~~
\$129.95
SAVE \$21.85

World Globe Class Set

FD36833	Set of 13	\$174.95
FD36830	Small Desk Globe - Each	\$18.95
FD36830-6 new	Small Desk Globes - Set of 6	\$99.95
FD36899	Large Desk Globe - Each	\$42.95
FD36899-4	Large Desk Globes - Set of 4	\$149.95

Set of 13
\$174⁹⁵
 SAVE \$95.40

With this set, students can have their own globe on their desk while the teacher demonstrates subjects like geography and the environment on the large globe. The set (FD36833) consists of 1 large globe (FD36899) and 12 small globes (FD36830). Both globes consist of 2 pieces and show up-to-date geographical maps. Sizes: large globe is 28cm in diameter, the small globe is 13cm in diameter.



World Flags

POS2 \$38.95

A mixed assortment of 15 international nylon flags on a 4 metre plastic string.

Model of Earth's Internal Structure

NK0201
 Each \$89.95

This model shows Earth's internal structure. It shows Earth's crust, mantle, the outer centrosphere and the inner centrosphere. The model is 32cm in diameter.

32cm (dia)



Map of Australia & Neighbours

AG102 \$32.95

This map will help you navigate the waters of Australia's territories. It provides a fascinating insight into the political history of Australia's sea limits and our relationships with other nations in the Western Pacific. Size: 68(L) x 50(H)cm.

68cm (W)
 50cm (H)



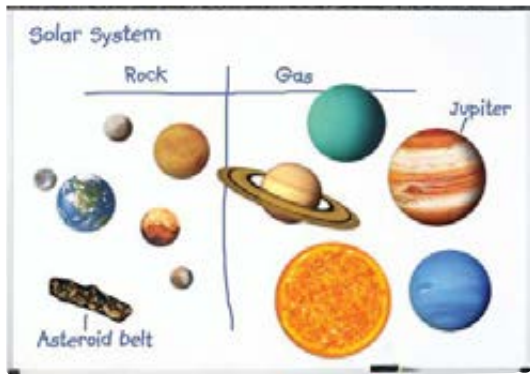
World Map – Australia Centred

AG101 \$87.95

Large detailed world map. Europe, the Arctic and Antarctic are shown in a detailed inset. Schoolchildren will find this map an invaluable geographic resource as they learn about the world, its countries and its peoples. Size: 138(W) x 92.5(H)cm.

1.38m (W)





Giant Magnetic Solar System Set

LER6040 Set of 12 \$38.95

Model the full-colour, realistically detailed magnets on a whiteboard to get students' attention and teach them about space science concepts. Covers a range of cross-curriculum activities. Includes 8 planets, Pluto (dwarf planet), Earth, the moon, asteroid belt and an activity guide. The largest magnet Sun is 25.5cm in diameter.



Motorised Solar System

EN5287 Each \$69.95

Explore space with this motorised solar system, complete with eight planets, the sun, star dome and Earth's moon! Set up the solar system to see Mercury, Venus, Earth, and Mars rotating slightly faster than Jupiter, Saturn, Uranus, and Neptune, just like they do in space. Turn off the lights and project a planetarium-style star show on the ceiling! Batteries required (not included).



Earth, Sun and Moon Model

EIST008SM Each \$129.95

This working model of the sun, earth and moon demonstrates the basic relationships of rotation, night and day, seasons and phases of the moon by moving the arm of the moon or earth by hand around the LED illuminated sun. Powered by 2 'AA' batteries (included). Size: 44 x 21 x 27cm. Ages 6+ years



Inflatable Solar System Set

LER2434 11 pieces \$89.95

Explore our universe with this inflatable classroom set. Teach size and distance relationships, rotation and revolution of planets, moon and sun with class activities and demonstrations. Includes foot pump, teacher's guide and hooks for easy hanging. Size: Sun 91cm, Moon and 9 planets from 20 to 55cm.



Galileo Thermometers

HE6182 Indoor - 44cm \$52.95
HE6187 Outdoor - 48cm \$69.95

The Galileo thermometer is made of a sealed glass cylinder containing a clear liquid and a series of sealed glass bulbs with different densities. When the temperature of the liquid changes, so does the density. A higher temperature causes the bulbs to sink. The lowest bulb in the upper section of the thermometer shows the right temperature. Available in an indoor standing thermometer (44cm) and an outdoor hanging thermometer (48cm).

Indoor



Outdoor



Magnetic Thermometer Recording Charts

QE67755 Set of 5 \$29.95

Magnetic write on/wipe off charts for recording temperature and weather. Supplied in a set of 5 charts, each measuring 45 x 9.5cm. Comes with teacher instructions and reproducible worksheet.



Set of 5



Free Freight

Just add \$200 of Art & Craft, Stationery or Health & Hygiene to your order

We have extended our science range with science specialty resources. We will source these specialty items for you on request. Because of the specialist nature of these items, the delivery time after order will be approximately 4 weeks. Can't find a product? Let us know and we will try to source it for you!



Fetal Development Stages Model

EIS0368A \$839.95

This set of 7 anatomical cross sectional pelvic models demonstrate the major stages of child birth: A. The fetal head settles into the pelvic inlet B. The first stage of labor when the uterus begins contracting irregularly C. Dilation of the mother's cervix D. Presentation of the head E. Delivery and rotation of the babies head F. The afterbirth and placenta G. Strong contractions in the uterus expel the placenta. The models are mounted on a solid 45 x 35cm base.



Torso With Muscles and Open Back – 19 Parts

EIS0009 \$2,699.95

This torso shows the human anatomy and organs on one side of the model, and the muscular structure on the other side. It is real life size (70cm high) and has 19 detachable parts. Part of the neck and back are opened to show the vertebral column, the spinal cord and it's meninges and nerves. Mounted on base and with numbered key card. Size: 38 x 24 x 70 cm approx.



Ultrasonic System

EIS0732 \$719.95

The system is ideal for demonstrating sound waves above the hearing threshold and reflection properties associated with sonar etc. Consisting of a self contained transmitter and receiver operating in the 40KHz region. The transmitter wave is modulated at a variable frequency of about 2KHz and detected by the receiver which amplifies the signal and drives a miniature integral loudspeaker. Complete with batteries.



Spectrometer – Precision

EIS0621 \$1,799.95

This spectrometer allows students to perform accurate prism and grating spectrometry. High-quality, large aperture optics produce sharp spectral images, while precision machining allows for precise rotation and accurate measurement. For full specifications, visit our website. Complete with working instructions. Supplied in wooden carrying case.



Turbine / Turbojet Engine Model

EIS0494 \$679.95

This section cut model is constructed of light and strong metal showing air intake, axial flow, double stage compressor, fuel supply, combustion chamber, turbine rotor, jet thrust, exhaust and more. Mounted on base. Model is 43cm long by 15cm high.

Vernier Microscope

EIS0096 \$719.95

Designed to give maximum accuracy. Consists of a heavy cast iron base fitted with three levelling screws. Horizontal & vertical scales. Vernier reading 0.02 or 0.01 mm. Supplied in wooden polished case. For full specifications, visit our website. Size: 44 (L) x 27 (W) x 46cm (H).



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