

CATALOGUE



KIDDER CONNECT

WWW.KIDDER.CA

Teachers! Kidder uses our Twitter account [@kiddereducation](https://twitter.com/kiddereducation) as a forum for Science and Technology Teachers to share project ideas, ask questions about Kidder products and post pictures of your students designs/experiments!

If you are in need of a professional quotation please email info@kidder.ca and be sure to include your schools information along with the catalogue numbers and quantities.

We also have compiled a list of fun and affordable STEAM/Maker Projects and instructions to get your students learning through building! Available at www.kidder.ca/pdf.



Kidder - Design Technology
& Science education



[kiddereducation](https://twitter.com/kiddereducation)



Kidder Science Education

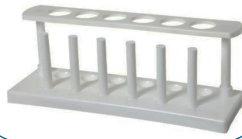


info@kidder.ca



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

TABLE OF CONTENTS



TRANSPORTATION

PG. 1

MECHANISMS PULLEYS & GEARS

PG. 9

ELECTRICITY

PG. 11

CODING / ROBOTICS

PG. 17

ALTERNATIVE ENERGY

PG. 20

MAGNETICS

PG. 22

STRUCTURES WOOD BUILDING MATERIALS

PG. 23

TOOLS & ACCESSORIES

PG. 29

MAKERSPACE

PG. 34

SAFETY

PG. 36

KIDDERAMA

PG. 37

FLUIDS - HYDRAULICS/PNEUMATICS

PG. 39

TEACHERGEEK

PG. 41

FLIGHT/AEROSPACE

PG. 43

OPTICS

PG. 46

LABWARE & CHEMISTRY

PG. 47

PHYSICS, FORCES, MASS & DENSITY

PG. 50

PLASTICS & MANUFACTURING

PG. 51

RESOURCE MATERIAL

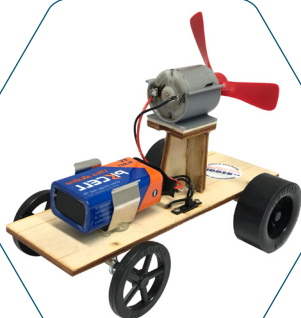
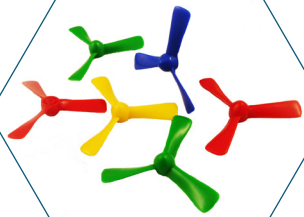
PG. 54

CLOCKS & CRAFT SUPPLIES

PG. 58

INDEX

PG. 67



**CO2 Body Blanks**

The basswood blank has a hole for the cartridge cut out. It is 30cm x 4cm x 7cm.

CAT# 19-1013 – \$5.60

2-5 – \$5.00

20 or more – \$4.30

CAT# 19-1014 Balsa – \$7.70

2-5 – \$6.85

20 or more – \$5.95

**Filament Line for C02 Cars**

183 m, 3.6kg, 200 yd

CAT# 19-1005FLN – \$9.75

**Steel Axles**

CAT# 19-1023 2/pkg – 50¢

CAT# 19-54-1023 100/pkg – \$11.80
axles are 63mm(2.5") x 3mm(1/8")

CAT# 19-1028 6/pkg – \$4.20

axles are 305mm (12") x 3mm (1/8")
(can be cut to length)

**CO2 Cartridges**

8gm (18mm diam)

CAT# 19-1018 – \$1.04

2-5 – 97¢

6 or more – 89¢

CAT# 19-54-1018 100/pkg – \$74.00

CAT# 19-5429 250/pkg – \$170.00

**Rear Slicks**

These plastic slicks are 40mm in diameter and 16mm thick.

CAT# 19-1016 – 56¢

2-5 – 46¢

6 or more – 42¢

CAT# 19-54-1016 100/pkg – \$31.20

CAT# 19-5426 500/pkg – \$146.50

**Front Wheels**

These plastic wheels are 33mm in diameter and 5mm thick.

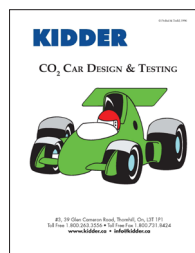
CAT# 19-1015 – 47¢

2-5 – 43¢

6 or more – 39¢

CAT# 19-54-1015 100/pkg – \$22.50

CAT# 19-5425 500/pkg – \$99.50

**CO2 Dragster Module**

This is a proven learning package which has been re-worked to add a new wrinkle or two to this age-old favourite. Students will design, build, test, and modify CO2 car designs.

CAT# 80-5736-00 – \$25.00

**Screw Eyes**

Allows 3mm (1/8") to fit through it. Guide your fishing line through the screw eyes which are placed on the bottom of the car.

CAT# 19-1024 25/ pkg – \$3.95

CAT# 19-54-1024 100/pkg – \$10.35

**Washers**

Allows 3mm (1/8") axle to fit through it. Use these washers on axle to hold the wheels in place.

CAT# 19-1021 10/pkg – 80¢

CAT# 19-54-1021 200/pkg – \$11.00

**Single Dragster Kits**

This kit includes everything you need to make one dragster. Kit includes basswood blank, wheels, axles, washers and Co2 cartridge.

CAT# 19-1010

basswood – \$9.70

2 or more – \$9.15

CAT# 19-1010BLS

balsa wood – \$12.00

2 or more – \$10.00

**Straws**

(203mm (8") length for 3mm (1/8") axle. Run the axle through these straws to use as a bearing.

CAT# 19-1022 10/pkg – 45¢

CAT# 19-54-1022 50/pkg – 90¢

**Start Pin Assemblies**

These start pin assemblies have a powerful spring action to impel the cartridge. You can make your own launcher using these assemblies and a piece of plywood.

CAT# 19-1006 – \$49.10

CAT# 19-1006-RP

(Replacement Pins) – \$30.45

**Traction Bands** 100/pkg (7/16"x2")

These wide bands work perfectly with the rear dragster slicks (19-1016) to provide more traction with running races.

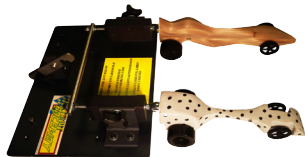
CAT# 19-2012-00 – \$4.10

**Wind-up Meter Tape**

30 meters/ 100 feet.

Durable high quality, fiberglass tapes in ABS plastic windup cases. Calibrated on one side in cm and on the other in inches. Great for measuring out your cars distance covered. Will not tear, break, rust or stretch.

CAT# 83-1114-95 – \$15.90

CO2 Hotshot Launcher

This unit is very portable. It does not have any dangerous exposed springs or tension hammer. It is supplied with a fishing line and is the most durable launcher available. 11 3/4" x 10" plate.

CAT# 19-1005-KE

2-Lane – \$656.00

CAT# 19-1005PIN

Replacement Pins – \$63.00

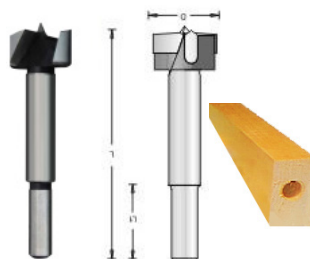
CAT# 19-1005FLN

Fishing Line, 100m Spool – \$9.75

CO2 Dragster Motion Timer

Measures speed and time. Use with Cars, Boats & Maglevs. The features included; input distance in feet or meters, portable, easy to use, no computer required, 2 line LCD display, infrared start/finish gates, Input Distance in Feet or Meters and Results are Displayed in Time, MPH or KPH. It remembers data from prior calculations.

CAT# 19-1003 – \$546.00

CO2 Hole 19mm Drill Bit

This 19mm bore bit can be used to drill out a hole in a dragster blank to hold the CO2 cartridge. It is carbide tipped and has double flute with centre point and two straight teeth and two nicking teeth. It works with wood, veneer, laminate and particle board. 19mm shank 10mm for drill press machine only. Right hand rotation only.

CAT# 19-1018BIT – \$56.50

12" Styrofoam Dragster Blank

This is a perfect way to get your students to do a draft design of their CO2 Cars before they use the basswood blanks. Easy to cut and manipulate to carve out your design prior to serious cutting/machining. Sold Individually.

CAT# 19-1009 – \$1.70

2 or more – \$1.60

Impulse G3 CO2 Car Race System

Get the green light with the Impulse G3 Race System. Redesigned to be more economical, it still delivers excellent performance, stability, and durability to CO2 dragster and other racing activities.

Here's what it brings to the track:

- State-of-the-art electronics
- Easy transition from floor to track
- Durable construction
- Multi Coloured lights to signal the launch – these lights have been reprogrammed with a random sequence to maintain a level playing field for students both experienced and new to model racing.
- Surface-mounted electronics – built with 100 percent automated assembly – bring higher quality and consistent performance to the table.

The start and finish gates can take a beating with their high density polyethylene (HDPE) construction. Plus, moving them from the track to the included floor racing setup is as easy as pulling out eight pins. Our launch pods are not just well adjusted their vertical range fits almost any CO2 car – but also have more mass for extra stability.

CAT# 19-1036 – \$2991.00

DRAGSTER 50 STUDENT CLASS PACK**This kit includes**

CAT# 19-1016

100 x Rear Racing Wheels

CAT# 19-1015

100 x Front Dragster Wheels

CAT# 19-1018

100 x CO2 Cartridges

CAT# 19-1023

50 x Steel Axles (2/pkg)

CAT# 19-1021

20 x Brass Washers (10/pkg)

CAT# 19-1022

5 x Straws (10/pkg)

CAT# 19-1013

50 x 12" Basswood Blanks **or**

CAT# 19-1014

50 x 12" Balsa Blanks

CAT# 19-1024

4 x Screw Eyes 25/pkg

CAT# 80-5766

1 x Idea Sheet

This class pack comes with all the supplies to make 50 dragsters. It comes with 100 cartridges for 2 shots per car.

CAT# 19-5420

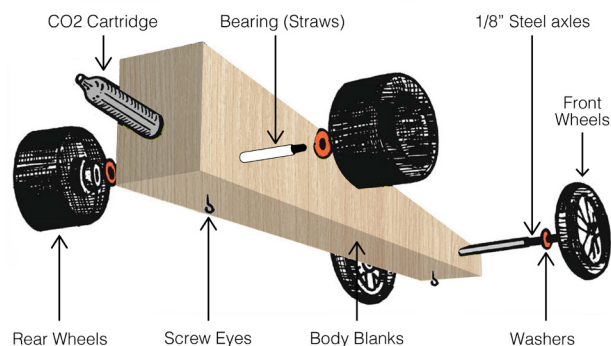
with basswood blanks – \$369.00

CAT# 19-5422

without wood – \$155.00

CAT# 19-5415

with Balsa wood – \$460.00



Lil' Termite Sander



Designed to create more precise angles and tighter joints for balsa wood and basswood structures as well as to deburr axles for dragsters, the Lil' Termite Sander is a simple device to operate and clean. You and your students will be amazed at the difference the Lil' Termite Sander makes on the overall strength and precision of structure joints. Lil' Termite dimensions are 5" x 3" x 2-1/4" with a round sanding surface 1-1/2" in diameter. Includes five sanding discs and a sanding disc cleaner. Uses 110-120 VAC wall outlet. Dimensions: 5" x 3" x 2-1/4" RPM: 9800 rpm using 12V under no load.

CAT# 80-2831-00 – \$115.00

Dragster Decals 102mm x 127mm



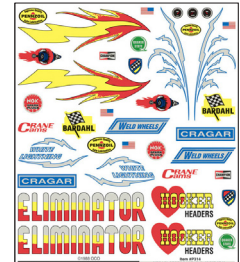
CAT# 19-P318



CAT# 19-P307



CAT# 19-P317



CAT# 19-P314

Dry Transfer Decals are the fastest and easiest way to customize a derby racer. Colourful stripes, flames, numbers, and graphics apply easily in seconds. They are high-quality rub-on decals that can be applied around contours and over textures. With Dry Transfer Decals there is no clear film around the edges of decals.

CAT# 19-P318 Custom – \$10.50

CAT# 19-P307 Stripes & Flames – \$10.50

CAT# 19-P317 Nascar – \$10.50

CAT# 19-P314 Hot Rod – \$10.50

Co2 Eliminator Dragster Launcher 10 student class pack

No CO2 cartridge required.



This 2 lane race car system uses compressed air instead of CO2 cartridges.

CAT# 19-5435 – \$58.00

CAT# 19-5436 Without Wood – \$17.90

Kit includes:

- 20 front wheels
- 20 slicks
- 10 blanks
- 8 straws
- 20 screw eyes
- 40 washers
- 20 axles
- 2 Lane System

Advantage:

- No wasted cartridges.
- Students can repeatedly test during design, modification and finishing stages.
- Construct smaller cars. use less wood for vehicle design because there is no need to a lot room for the cartridge.
- Use standard wheels more vehicle shapes are possible requires compressed air source.

Co2 Eliminator Parts

CAT #	DESCRIPTION	1	2-5	6-19	20-49	50 +
19-1513	BASSWOOD 8" X 1.5" X 2.75"	\$4.45	\$4.25	\$3.95	\$3.80	\$3.70
19-1523	AXLES 2" X 1/8" 2/PKG	24¢	22¢	21¢	-	-
19-1015	FRONT WHEEL EA	47¢	43¢	39¢	31¢	25¢
19-1016	REAR WHEEL EA	56¢	46¢	42¢	38¢	33¢
19-1021	BRASS WASHERS 10/PKG	80¢	75¢	70¢	60¢	55¢
19-1024	SCREW EYES 1/4" 25/PKG	\$3.95	\$3.30	-	-	-
19-1022	STRAWS 10/PKG (AXLE BEARING)	45¢	30¢	29¢	27¢	26¢
19-1505	ELIMINATOR DRAG LAUNCHER	\$496.00	-	-	-	-
19-5435	10 CLASS PACK WITH WOOD	\$58.00	-	-	-	-
19-5436	10 CLASS PACK WITH NO WOOD	\$17.90	-	-	-	-



CAT# 19-1513



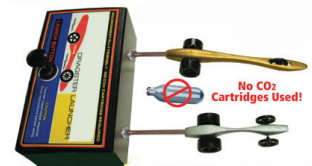
CAT# 19-1523



CAT# 19-1015



CAT# 19-1016



CAT# 19-1505



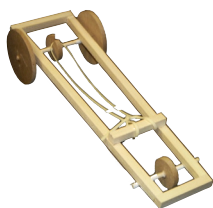
CAT# 19-1021



CAT# 19-1024



CAT# 19-1022



Elastic Car Design Class Pack

Wind the elastic band around the axle to propel this car.

CAT# 80-5429-SK

Single Kits (Packaged) – \$4.95

CAT# 80-5429-00

50 Student Class Pack – \$146.00

The kit includes all the pieces to build 50 cars. (Plans Included)



Hovercraft

12 Student Class Pack

The Hovercraft is a great activity that will introduce your students the concept of frictionless motion.

CAT# 80-5470-00

12 Student Class Pack – \$104.00



Air Motor Car Class Pack

The propeller attaches to the motor shaft to move the car along.

CAT# 80-5465-SK

Single Kits (Packaged) – \$13.95

CAT# 80-5465-00

Student Class Pack – \$285.00

The kit includes all the pieces to build 24 cars. (Plans Included)



Motor Car Class Pack

The motor pulley uses a band around a pulley on the wheel axle to propel this car.

CAT# 80-5435-SK

Single Kits (Packaged) – \$12.95

CAT# 80-5435-00

30 Student Class Pack – \$330.00

The kit includes all the pieces to build 30 cars. (Plans Included)



Propeller Car Class Pack

Wind the propeller to add momentum to the car and watch it go.

CAT# 80-5431-SK

Single Kits (Packaged) – \$4.50

CAT# 80-5431-00

35 Student Class Pack – \$132.00

The kit includes all the pieces to build 35 cars. (Plans Included)



Balloon Jet Car Class Pack

Blow up the balloon and watch it go. Students will learn the concepts of Newtons Law of Motion, friction and jet propulsion through this simple kit.

CAT# 80-5469-SK

Single Kits (Packaged) – \$7.50

CAT# 80-5469-00

18 Student Class Pack – \$119.00

The kit includes all the pieces to build 35 cars. (Plans Included)



Worm Gear Car Class Pack

The motor attaches to a worm gear which moves the gear on the axle (High torque design).

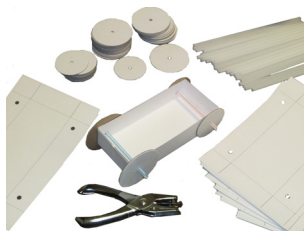
CAT# 80-5462-SK

Single Kits (Packaged) – \$13.95

CAT# 80-5462-00

24 Student Class Pack – \$305.00

The kit includes all the pieces to build 24 cars. (Plans Included)



Card Wheel Car Class Pack

This car is an excellent project for the junior grades to test velocity on an incline track, weight distributions and wheel ratios. Cars can be coloured by students.

CAT# 80-5443-00

50 Student class pack – \$59.00

Includes hole punch.



Solar Car Class Pack

This new solar car kit works well in bright sunlight and demonstrates the science of solar energy.

CAT# 80-5438-SK

Single Kits (Packaged) – \$24.95

CAT# 80-5438-00

12 Student Class Pack – \$294.00

The kit includes all the pieces to build 12 cars. (Plans Included)



Magnetic Car Kit

100 student class pack

This magnetic car has a stick with a magnet attached at the end of it to force the car into motion.

This is an excellent way to show the principles of Magnetism as well as break your students into the Design & build realm.

Plans included.

CAT# 80-5449-00 – \$249.00

Electric Car Kits Class Pack

Pulley Drive

This simple value packed kit explores movement, electricity and forces. All parts, instructions and battery are included.

CAT# 80-5433-SK

Single Kits (Packaged) – \$13.25

CAT# 80-5433-00

24 Student Class Pack – \$233.00

The kit includes all the pieces to build 24 cars. (Plans Included)



Mousetrap Car Kits for Distance

CAT #19-5444-SK

Individual Kits

1pkg - \$10.00

2 or more - \$9.50

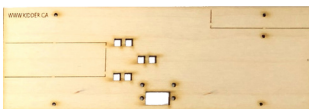
CAT# 19-5444

36 Student Class Pack – \$250.00

Laser cut 3 Part mounting set

CAT# 8054CHASIM – \$2.30

2 - 5 – \$2.15
6 - 19 – \$1.98
20 - 49 – \$1.82
50+ – \$1.65

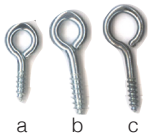
Laser cut Chassi Base 2"x6"

CAT# 8054CHASSI – \$2.30

2 - 5 – \$2.15
6 - 19 – \$1.98
20 - 49 – \$1.82
50+ – \$1.65

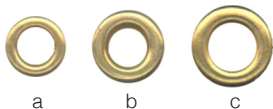
Screw Eye Axle Holders

100/pkg



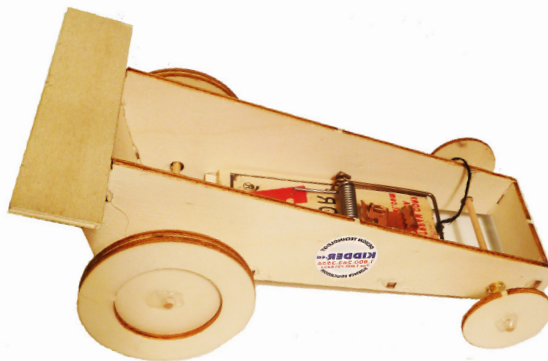
Screw eyes are used to hold axles in place. Build a wooden frame, add your axle-holders, wheels and you're ready to roll.

a. For 1/8" diam. dowel/axles.
CAT# 19-54-1024 – \$10.35
b. For 9/64" for 4mm dowel/axles
CAT# 19-20-545 – \$11.15
c. For 7/32" for 3/16" dowel/axles
CAT# 19-20-546 – \$11.15

Metal Eyelets 100/pkg
(Axle runs freely)

Use these eyelets as wheel bearings.

a. For 1/8" axles
CAT# 19-20-553 – \$2.40
b. For 4mm axles
CAT# 19-20-552 – \$3.95
c. For 5mm axles
CAT# 19-20-554 – \$4.00

DESIGN AND MAKE YOUR OWN MOUSETRAP CARS WITH THE FOLLOWING PARTS.**Mousetrap Car Kits for Speed**

What is friction and how can it be managed?
How is energy measured? How is speed calculated?
These questions will be answered with these racers.
Use them as a "hands on" supplement to teach power and transportation.

CAT# 19-20-542 Individual Kits – \$13.50
2-5pcs – \$12.15
6 or more – \$10.80
CAT# 19-20-543 12 Student Class Pack – \$129.00
2 or more – \$125.00

Wood Dowels

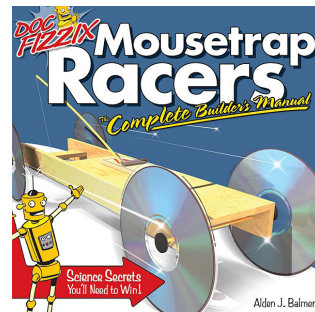
4mm Wood Dowels 16" 12/pkg
CAT# 83-2002B02 – \$4.55
3/16" Wood Dowels 24" 8/pkg
CAT# 83-2003-02 – \$5.00

See page 8 for more sizes.

Nylon String 30 yards

This very strong nylon string is excellent for use in mousetrap racing.

CAT# 19-20-548 – \$7.50

Mousetrap Racer complete Builders Manual

In this guide your kids will learn how to construct race cars from ordinary, affordable household materials, while learning the science behind how they work.

CAT# 80-5758-00 – \$19.05

Bulk Mousetraps 36/pkg

CAT# 19-20-541 – \$33.10
2 or more – \$30.10

CD Hub/Wheel 6/pkg

These plastic CD hubs snap into place and can be used with a 4mm axle. They can also be used as wheels.
CAT# 19-20-558P – \$2.85

Super Wheels 10/pkg

Multi-purpose reusable tires made from a large plastic pulley and rubber rings. All with 4mm diameter axle hole.

CAT# 83-54-1248 50 mm – \$8.55
CAT# 83-54-1246 38 mm – \$7.85
CAT# 83-54-1244 25 mm – \$6.70

Bulk Wheels 100/pkg

Front Wheels 1 5/16 Diam (34mm) to fit 1/8" diam axles.
CAT# 19-54-1015 – \$22.50

30 Student Class Pack

Maglev is a transport method that uses magnetic levitation to move vehicles without touching the ground. With maglev, a vehicle travels along a guideway using magnets to create both lift and propulsion, thereby reducing friction by a great extent and allowing very high speeds. Bring concepts like Polarity, Attraction, Repulsion, Magnetic Field & Current to life through this Maglev class pack! Kit includes the parts to build your magnetic levitation cars (excluding body material, batteries & wire).

CAT# 80-5450-00 – \$125.00

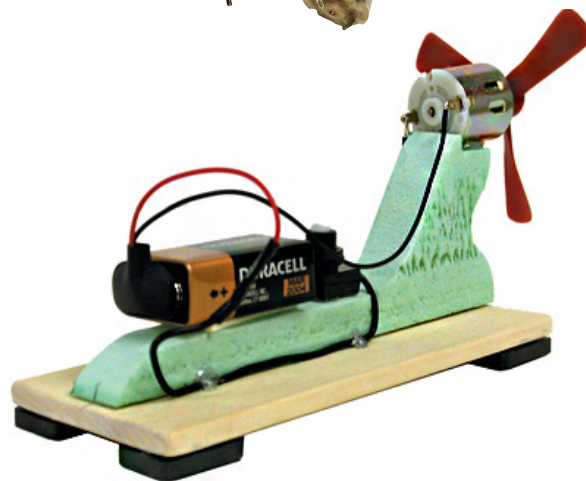
30 Student Class Pack includes:

CAT# 80-3550-00 – 5 pkgs of 3-9V Input Toy Motor, 6/pkg

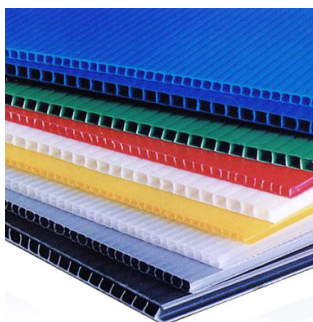
CAT# 80-3555-00 – 5 pkgs of 3" Plastic Propellers, 6/pkg

CAT# 803560-00 – 3 pkgs of Magnets, 50/pkg

CAT# 80-5747-00 – 1 procedure Sheet, 5/pkg



Corrugated Plastic



Use these sheets as an option for your Maglev Car Chassis. Easy to cut! This package comes with 7 sheets with a variety of colours. Sheets are 24"x32"x4mm. 7/pkg
CAT # 80-54-1200 – \$35.50

Wood Paddles 500/pkg



6" x 3/4"

CAT# 34-54-1013 – \$12.80

Popsicle Sticks 1000/pkg



4 3/8" x 3/8"

CAT# 83-1600-00 – \$4.65

50 ft Magnetic Strip



Make your own Mag-lev track with Flexible Magnetic High Energy Strip with adhesive. Thickness x Width: 0.125" x 50 ft.
CAT # 80-3560FLX – \$142.50

Wood Stir Sticks 1000/pkg



7" x 1/4"

CAT# 83-1602-00 – \$9.90

3/16" Basswood Sheets



Use these 4"x24"x3/16" basswood sheets as chassis for your Maglev Car. 6/pkg

CAT # 83-BW406 – \$31.40

Magnets 50/pkg



Ideal for creating Maglev vehicles, tracks and more. Dimensions: 1" x 3/4" x .187 (25 x 19 x 5 mm)
CAT# 80-3560-00 – \$18.90
6 or more - \$16.80

Propellers 6/pkg assorted colours



3" (76 mm) plastic high-speed propeller with three blades. (Fits motor 80-3550-00 sold separately). Ideal propeller for model planes, mag-lev, etc. 3 blades with 2mm hole.
CAT# 80-3555-00 – \$7.90
6 or more - \$7.20

9V Battery Strap 6/pkg



Use this 9v battery strap to connect your battery to a motor and switch to power your Maglev car.
CAT # 70-32-236 – \$2.40
2 or more - \$2.35

Multi Core Stranded Wire



100m reel of multi-core. 22 gauge wire available in either black or red. Used to connect your switches, batteries and motors.
CAT# 80-3505-00 Red – \$19.30
CAT# 80-3506-00 Black – \$19.30

Toy Motors 6/pkg



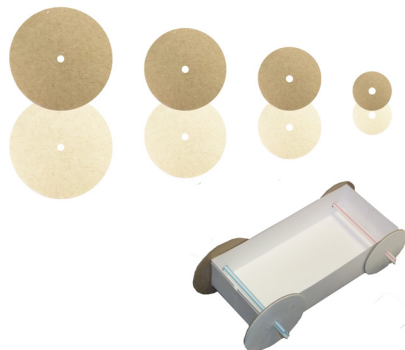
High-speed motor can produce up to 17K/RPM. Ideal for Mag-Lev. Input up to 3-9V DC, 2 mm spindles.
CAT# 80-3550-00 – \$9.60
6 or more - \$8.15
(see more on page 12)

Mag-Lev Track



The Maglev Track includes two aluminum 4' tracks, as well as four 4' strips of magnet that act to repel your car and keep it in the air. Includes two pins to hold two track pieces together. Dimensions: 4' x 3 3/4" sections.
CAT # 80-5454-00 – \$476.00

Thick Card Wheels



Thick card disks with 3/16" hole.
CAT# 83-1214-00 100/pkg, 25mm – \$8.00,
 2-5pkgs – \$7.20
CAT# 83-1216-00 100/pkg, 38mm – \$12.90,
 2-5pkgs – \$11.30
CAT# 83-1218-00 100/pkg, 51mm – \$14.50,
 2-5pkgs – \$10.90
CAT# 83-1219-00 100/pkg, 63mm – \$19.45,
 2-5pkgs – \$14.60
CAT# 83-54-1200 200/pkg, assorted – \$28.05

MDF Wheels



These 6mm thick fibre board wheels come with drilled centre holes for 4mm or 3/16" dowel with diameters of 34mm, 54mm, and 74mm.

4mm Diameter hole

CAT# 83-1247-00 100/pkg
 34mm – \$24.75
CAT# 83-1249-00 100/pkg
 54mm – \$29.50
CAT# 83-1251-00 100/pkg
 74mm – \$35.50
CAT# 83-54-1253 150/pkg
 Assorted – \$39.95

3/16" Diameter hole

CAT# 83-1256-00 100/pkg
 34mm – \$24.75
CAT# 83-1258-00 100/pkg
 54mm – \$29.50
CAT# 83-1260-00 100/pkg
 74mm – \$35.50
CAT# 83-54-1262 150/pkg
 Assorted – \$39.95

Plastic Spools 100/pkg



Pack of 50 plastic spools in assorted colours for wheels. Use small card disks to secure axles through spools. Axle hole 5/16" diam. Can be used as wheels or pulleys.
CAT# 83-1240-00 – \$51.50

Clothespins 24/pkg



These can be used to hold joints while adhesive dries or as axle supports.
CAT# 83-2015-00 – \$3.55

Super Wheels 4mm axle hole, 10/pkg



Multi-purpose, reusable tires made from a large plastic, pulleys, and rubber rings.
CAT# 83-54-1248 50mm – \$8.55
CAT# 83-54-1246 38mm – \$7.85
CAT# 83-54-1244 25mm – \$6.70

Bulk Front Wheels 500/pkg



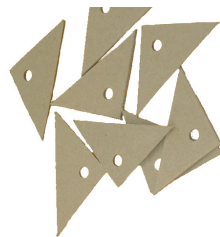
These plastic wheels are 33mm x 5mm.
 3mm (1/8") axle.
CAT# 19-5425 – \$99.50

Bulk Rear Wheels 500/pkg



These rear wheels are 40mm x 16mm.
 3mm (1/8") axle.
CAT# 19-5426 – \$146.50

Axle Gussets 500/pkg



These cardboard supports can be used to hold axles in place with 5mm (3/16") hole.
 55mm x 39mm x 39mm.
CAT# 19-20-557 – \$18.75

Mini O'ring Washers 100/pkg



Washers are used to keep the wheels in place on axles. Fit on 3/16" or 4 mm axles.
CAT# 19-20-555 – \$5.00

CD Hub/Wheels 6/pkg



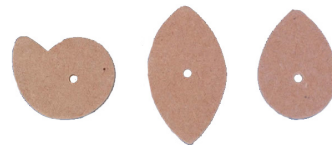
These plastic CD hubs snap into place and can be used with a 4mm axle. They can also be used as wheels.
CAT# 19-20-558P – \$2.85

Traction Bands 100/pkg



These wide bands work perfectly with the rear dragster slicks **CAT# 19-1016** to provide more traction for running races.
CAT# 19-2012-00 – \$4.10

Wooden Cams 30/pkg



Add simple mechanisms to any model with these ready made wooden cams. Single rise, double rise and snail cams offer you the chance to add movement to your own 'design and make' model. Cams fit 3/16" dowel and have a maximum diameter of 73mm.
CAT# 80-3572-50 – \$26.45

ENGbox-w

Junior Engineering Box, Wheels



This assortment of wheels come in a handy divided utility case. Items included are mdf wheels, plastic dragster wheels, card disk wheels, super wheels, and dowel to be used as axles. There are 401 pcs in all.
CAT# ENGBOX-W – CA\$110.00

Dowel axles



CAT #	DIAMETER	PKG	1	2-5	6-19	20-49	50+
83-2002-02	1/8" (3 mm) x 24"	8	\$4.40	\$4.15	\$3.85	\$3.60	\$3.30
83-2002B02	5/32" (4mm) x 16"	12	\$4.55	\$4.30	\$4.00	\$3.70	\$3.40
83-2003-02	3/16" (5 mm) x 24"	8	\$5.00	\$4.70	\$4.40	\$4.05	-
83-2004-02	1/4" (6 mm) x 24"	8	\$5.35	\$4.95	\$4.75	\$4.50	-
83-2005-02	5/16" (8 mm) x 24"	8	\$6.30	\$5.85	\$5.55	-	-
83-2006-02	3/8" (10 mm) x 24"	4	\$5.05	\$4.50	\$4.20	\$3.90	\$3.60
83-2008-02	1/2" (13 mm) x 24"	4	\$5.95	\$5.45	\$5.00	\$4.50	\$4.00
83-2009-02	5/8" (16 mm) x 24"	2	\$4.10	\$3.70	\$3.30	-	-
83-2010-02	3/4" (19 mm) x 24"	2	\$3.85	\$3.50	\$3.15	-	-
83-2011-02	1" (25 mm) x 24"	2	\$5.85	\$5.45	-	-	-
83-2013-02	1 1/4" (25 mm) x 24"	2	\$11.20	\$10.45	-	-	-

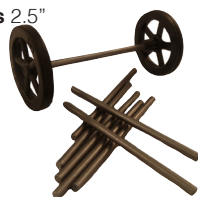
Note: If you drill a 3/8" hole, a 3/8" dowel will squeak into it and not fall through it. This one goes for all sizes. You can always make a tight dowel loose. It is hard to go the other way.

Wood Skewers 100/pkg



These 2.5mm wood sticks can be used as axles in many projects. They are 12" long.
CAT# 83-2001-00 – \$2.30
 2-5pkgs – \$2.00
 6 or more – \$1.85

Steel Axles 2.5"



These axles are 63mm x 3mm (2.5" x 1/8")
CAT# 19-1023 2/pkg – 50¢
CAT# 19-54-1023 100/pkg – \$11.80

Steel Axles 12", 6/pkg



These 12" steel rods can be cut to any length. They are 1/8" in diameter.
CAT# 19-1028 – \$4.20
 2-5pkgs – \$3.80
 6 or more – \$3.15

2 3/4" Aluminium Axles 2/pkg



3mm x 152 mm (1/8" x 6") aluminium axles.
 Can be cut to custom make 2 axles.
 Standard with kit.
CAT# 19-7027 – 1.40
 2 or more – \$1.23

PINE CAR

PineCar Racer Basic Car Kit



Model Chassis Not Included

Kit includes wood block, wheels, hubcaps, two lead-free one-piece axles and four lead-free nail-type axles. Wheels and axles should be the same on all cars in a race.
 Block dimensions:
 4.44 cm x 17.7 cm 1(3/4"w x 7")
CAT# 19-8010-00 – \$9.25
 2-5pkgs – \$8.20
 6 - 19pkgs – \$7.80
 20 - 49 – \$7.60
 50 or more – \$7.40

Pine Car Axles
5/pkg

Five high-quality, lead-free, nail-type axles. Use to replace damaged or lost axles.
 They meet BSA specifications.
CAT# 19-8023-00 – \$1.13
 Bulk, 100/pkg
CAT# 19-54-8023 – \$12.00

PineCar Block



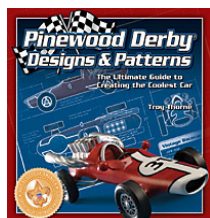
The fine-grain, soft wood is lightweight and easy to cut and the Block comes with pre-drilled axle slots. Just shape, sand, paint and decorate. Includes step by step illustrated instructions.
 Block dimensions:
 1 3/4"w x 7"l (4.44 cm x 17.7 cm)
CAT# 19-8013-00 – \$4.65
 2-5pcs – \$4.20
 6-19pcs – \$3.70
 Bulk, 25/pkg
CAT# 19-54-8013 – \$92.00

PineCar Wheels & Axles Kit

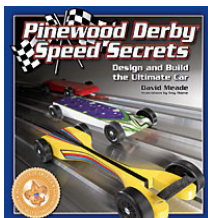


Includes four replacement wheels, two lead-free, one-piece axles, four lead-free, nail-type axles and five hubcaps.
CAT# 19-8015-00 – \$1.98
 Bulk, 100/pkg (wheels only)
CAT# 19-54-8015 – \$23.00

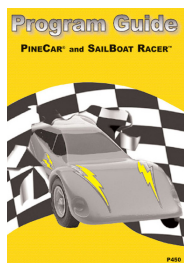
Program Guide For Pine Car



CAT# 80-5793-00
\$19.45

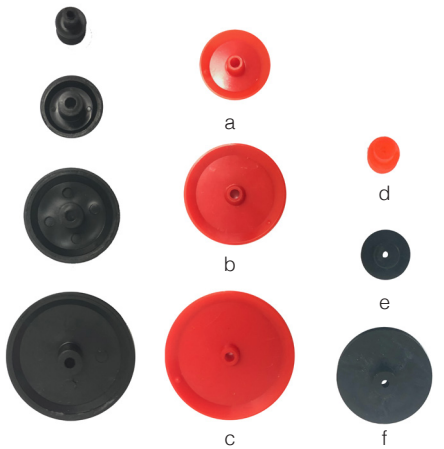


CAT# 80-5792-00
\$19.45



A 19-page, fully-illustrated race sponsor's guide with easy step-by-step instructions on conducting a PineCar Derby or SailBoat.
CAT# 80-5794-00 – \$6.55

Assorted Plastic Pulleys

**Black Pulleys**

4 sizes of pulleys (10 each size) 10, 20, 30, 40 mm. 10 mm fits toy motors, 2 mm shaft can be bored out to 3 mm (1/8").

CAT# 80-3580-00 – \$14.00

Red Pulleys 10/pkg

Red pulleys in three sizes 25, 28 and 50mm diam. Centre hole is 4 mm.

a. CAT# 80-3593-00 25 mm – \$4.50

b. CAT# 80-3592-00 38 mm – \$4.90

c. CAT# 80-3591-00 50 mm – \$6.00

Motor Pulleys 10/pkg

These motor pulleys fit directly on the motor shaft (2 mm). They are available in three sizes. (see motor page 12).

d. CAT# 80-3577-00 10 mm – \$3.95

e. CAT# 80-3577-50 12 mm – \$6.95

f. CAT# 80-3577-75 25 mm – \$9.75

Bushings for Red Pullies 20/pkg

Bushings converts a 4 mm hole into a 2mm hole that fits a motor.

CAT # 80-3588-00 – \$2.00

Rubber Bands

Used as pulley drive belts



#14 Rubber Bands

CAT# 19-2016-00 1 lb – \$10.00

CAT# 19-2016-25 1/4 lb – \$2.75

#16 Rubber Bands

CAT# 19-2019-00 1 lb – \$9.75

CAT# 19-2019-25 1/4 lb – \$2.75

#18 Rubber Band

CAT# 19-2022-00 1 lb – \$9.75

CAT# 19-2022-25 1/4 lb – \$3.00

#19 Rubber Band (Red,Orange)

CAT# 19-2023-00 1 lb – \$11.25

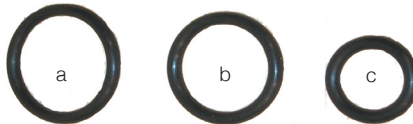
CAT# 19-2023-25 1/4 lb – \$3.10

60 Pulley Pack Assorted



This mixed pulley pack has 20 of each size red pulley 25, 38 and 50mm. Great for your MakerSpace Station. 4mm hole size paired with dowel (CAT#83-2002B02)

CAT#	1	2-5	6-19	20-49	50+
80-54-3594	\$25.00	\$22.50	\$21.25	\$20.00	\$18.75

O-Rings 10/pkg

Use these rings to convert your plastic pulleys into wheels.

a. CAT# 83-1248-00 50 mm – \$3.20

b. CAT# 83-1246-00 38 mm – \$2.95

c. CAT# 83-1244-00 25 mm – \$2.75

Pulley Cord 20m

Nylon cord that runs well in the pulley blocks.

CAT# 19-20-547 – \$10.05

ENGbox-pg

Junior Engineering Box, Pulleys & Gears



This assortment of pulleys and gears come in a handy divided utility case. Items included are assorted sizes of pulleys, motor pulleys, assorted gears, worm gears, gear racks, and dowel. There are 324 pcs in total.

CAT# ENGBOX-PG – CA\$145.00

Large Mixed Pulleys 40/pkg



This 40 Pack contains 10 of the following sizes. 70mm, 55.5mm, 25.5mm, 9mm.

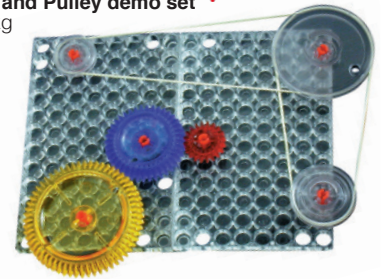
Hole size is 3/16" (5mm).

CAT# 9T-182329 – \$27.15

NEW

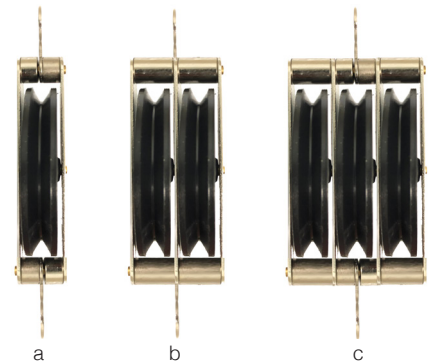
Gear and Pulley demo set

40/pkg



New all-clear set allows demonstration of many basic gearing principles and the function of gears and pulleys.

CAT# 80-54-5598 – \$8.95

Pulley Blocks

Pulley blocks are free running 50 mm diam pulleys in a house with swivel hooks at each end.

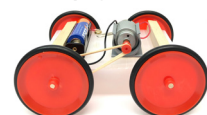
a. CAT# 80-3594-01 Single – \$3.40

b. CAT# 80-3594-02 Double – \$4.40

c. CAT# 80-3594-03 Triple – \$6.40

The set of 5 pulleys blocks contains 2 single, 2 double, and 1 triple blocks.

CAT# 80-543594X – \$14.95

Pulley Cars - See page 4

CAT# 80-5433-SK

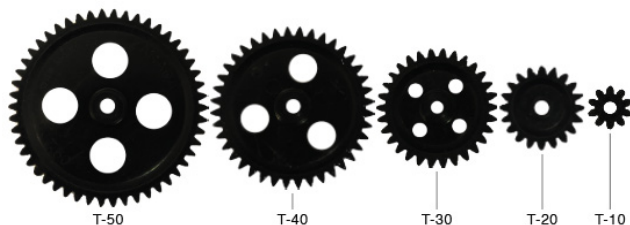


CAT# 80-5435-SK

Gear Set 4 sets/pkg, 7 Pcs

This set of gears contains 40, 30, 20, and 12 tooth gears with 3/16" hole diameters and 3 bushings. There are 4 sprues per package. 2 mm motor spindle 12 tooth gear included. Assorted Colours.

CAT# 80-3570-00 – \$4.85

Plastic Gears 10/pkg

These plastic gears fit tightly on 4 mm dowel. Each pack of 10 gears comes with bushings to make a hole 2 mm to fit a motor's shaft.

CAT# 80-3569-50 50 teeth – \$6.60

CAT# 80-3569-40 40 teeth – \$5.85

CAT# 80-3569-30 30 teeth – \$5.00

CAT# 80-3569-20 20 teeth – \$4.35

CAT# 80-3569-10 10 teeth – \$3.45

Bushings 20/pkg

These bushings convert a 4 mm hole to a 2 mm hole for a push fit onto a motor.

CAT# 80-3588-00 – \$2.00

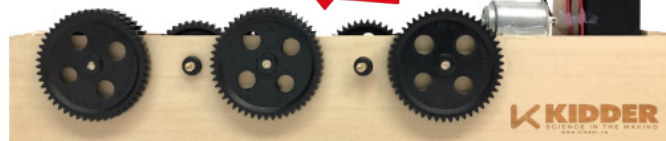
BULK Mixed Gears Packages

CAT#	DESCRIPTION	1	2-5	6-19	20-49	50+
80-54-3568	5/pkg - 1 of each size + 5 bushings	\$2.85	\$2.55	\$2.30	\$2.10	\$1.80
80-54-3569	50/pkg - 10 of each size + 20 bushings	\$19.25	\$18.05	\$16.65	-	-

**Motor Pulley/Gear** 20/pkg

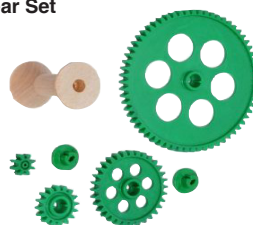
This motor spindle gear fits our standard 2 mm motor shaft. It has 10 teeth and can also be used as a pulley.

CAT# 80-3574-00 – \$8.80

Kidder Gear System
12 Student Class Pack**NEW**

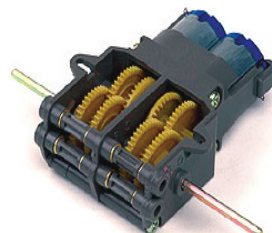
This NEW Kidder designed kit is the perfect project for your students to investigate ways in which gears modify the speed and direction of, and the force exerted on moving objects. After building and assembling this kit, your students will have an understanding of the basic principles and functions of gear systems. Watch one movement propelled by a DC motor and worm gear turn 11 different gears to demonstrate differentials and ratios in a clear and concise fashion. A great project to work on in your MakerSpace, lab or library. There are enough materials in this classpack to make 12 kits. Requires minimal drilling, cutting and gluing.

CAT# 83-54-GSCP – \$179.00

Gear Set

This set of gears is designed for use on model projects. The small 8 tooth gear fits on most 2mm motor shafts that are found on lots of DC motors. Gears have a keying feature that allows them to be changed quickly and easily from the key. Once the key is secured to the driveshaft the gears can be removed quickly without glue, tape etc. The key will press fit on 7/64" diameter. It can also be drilled out to fit larger shafts. 4 Gears - teeth 64, 32, 16, 8. 1 Drive shaft Key

CAT# 80-3KW065 – \$17.80

Twin Motor Gear Box

The Twin Motor Gear Box uses a two motor system to provide power and speed to turn the hex shaft. The gear box is made from high quality plastic.

Use this gear box and motor set with other Tamiya Construction and Robotics products.

Two FA-130 motors are included. Gear Ratios: 58:1 207:1

Motor: (2) FA-130

CAT# 9799-70097 – \$14.05

Worm Gears

Large

Small

These worm gears mesh with the 10, 20, 30, 40 and 50 tooth gears. They are available in small and large. The large gears fit end to end and also fit a 2 mm motor shaft.

CAT# 80-3575-LG 10/pkg

Large – \$10.75

CAT# 80-3575-SM 10/pkg

Small – \$9.00

CAT# 80-54-3575 20/pkg

10 Small, 10 Large – \$19.50

Gear Racks 10/pkg

These gear racks are in two sizes and mesh with gears. The small rack can be fastened to a base.

The large rack is interlocking.

CAT# 80-3574-25 100mm – \$13.65

Beveled Gears 10/pkg

45 degree Bevel 27mmX6mm
CAT# 80-3571-30 – \$20.00

Simple Gearbox Motor

This simple gearbox and motor has a 4mm diameter output shaft which runs 40 times slower than the motor itself. Use it to drive models slowly. (3-6V required)

CAT# 80-3538-00 – \$11.00

Large Mixed Gears 40/pkg

This pack contains 10 of the following sizes: 10, 20, 40 & 50 tooth gears with hole size of 5mm (3/16")

CAT# 9T-182329 – \$27.15

Gear Crank

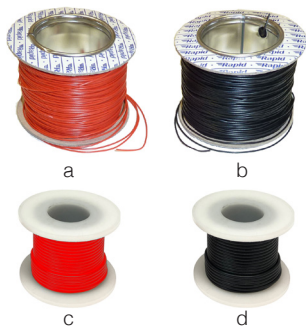
Use this tool to put your gears in motion. It has a 2mm spindle so be sure to purchase Bushings (**CAT# 80-3588-00**) that will convert the 4mm hole to a 2mm. Gears and motor not included.

CAT# 19-40-389 – \$9.75

Make your own gear

On one side, the combination is 4,8 or 16 teeth gears on the other side, the combination is 6,12 or 24 teeth gears. This jig is ideal for students of all ages to design and build windmills, cars, machines, toys, etc. out of cardboard wheels, paper and glue.

CAT# 83-3022-00 – \$4.60

Electric Wire (22 Gauge)

Multi Core Stranded Wire.
Reel of multi-core wire available in either black or red.
a. CAT# 80-3505-00
Red Wire 100m
b. CAT# 80-3506-00
Black Wire 100m
\$19.30

CAT# 80-3505XSC
Red Wire 25 feet
CAT# 80-3506XSC
Black Wire 25 feet
\$5.95

c. CAT# 80-3505X00
Red Wire 25 feet
d. CAT# 80-3506X00
Black Wire 25 feet
\$5.60

Alligator Leads 10/pkg

Ready-made leads approximately 35 cm long. Red and Black. 5 of each.
CAT# 80-3504-RB – \$5.95
Multi Colour
CAT# 80-3504-00 – \$5.95

Toggle Switch 5/pkg

This switch is designed to fit through a 12mm hole in a panel if needed but may be used unmounted in simple circuits.
CAT# 80-3548-00 – \$10.90

Knife Switch

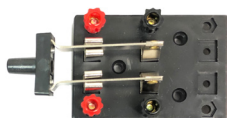
These switches are mounted on Bakelite base with screw holes.



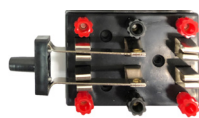
CAT# 80-3541-00
SPST – \$3.15



CAT# 80-3542-00
SPDT – \$4.05



CAT# 80-3543-00
DPST – \$5.40



CAT# 80-3544-00
DPDT – \$5.40

Micro Switch

This useful switch can be wired either to switch on a circuit or to break a circuit.
CAT# 80-3547-00 – \$3.75

Break Switch 5/pkg

This switch breaks a circuit that is on.
CAT# 80-3532-00 – \$10.15

Push Switch 5/pkg

Circuit switched off as soon as the switch is released. It works the same as a push door bell.
CAT# 80-3532-50 – \$9.55

Slide Switch 6/pkg

SPDT .03A at 125 VAC
CAT# 80-3530-00 – \$7.75

Simple Slide Switch 10/pkg

This 35mm long switch can be used to reverse a meagre motor.
CAT# 80-3529-00 – \$11.75

Switch with Fahnstock Clips

These switches are mounted to a plastic disc.
CAT# 80-3540-50 – \$1.63

Bulb Holder with Fahnstock Clips
Holds MES bulbs

CAT# 80-3526-00 – \$1.63

MES Bulb lamp Socket Holder 10/pkg

A screwdriver is required to make connections to this holder.
CAT# 80-3527-00 – \$8.95

Simple Bulb Holder 10/pkg

An inexpensive socket for miniature ring bulbs. The socket has two terminals that can be attached with lead wires to batteries.
CAT# 80-3524-00 – \$4.50

Round MES Screw type Bulbs 25/pkg

This style is less likely to break if dropped. 2.5V.
CAT# 80-3521-00 – \$11.25

Round MES Screw type Bulbs 25/pkg

MES refers to the size of the base thread.
CAT# 80-3517-00
1.5V – \$11.25
CAT# 80-3518-00
2.5V – \$11.25
CAT# 80-3519-00
3.5V – \$11.25
CAT# 80-3520-00
6V – \$11.25

LEDs

LEDs are an alternative to bulbs and are useful for adding colour to models.

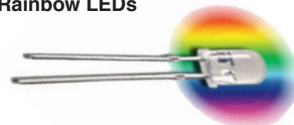
5mm 25/pkg

The LEDs require a 3V power supply (5x R,G,B,Y,W)
CAT# 80-3514-00 – \$6.25

10mm 25/pkg

These assortment packs contain each LED color: Red, Orange, Yellow, Green, Blue, Purple, White, Color Changing. Great as a load for squishy circuits, wearable tech, conductive paint & paper circuits!
CAT# 80-3514SUB – \$10.95
2 or more – \$9.55

Super Bright lights.
Colours can be ordered individually.

Rainbow LEDs

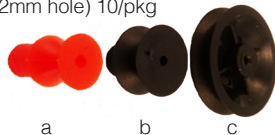
Slowly cycles through a spectrum of colours when connected to a 3 volt battery. Easy to integrate into project work, these LED's will help to stimulate pupils and encourage creative design outcomes.
CAT# 70-3514RL – \$2.40
6 or more – \$1.90

LED Assorted Pack

Features:
18 Varieties, 80 Pieces
Contains: Small, Standard, Large, Rectangular, Bi-Color, Blinking and Ultra Bright.
Contains: Red, Amber, Green, Blue, Yellow and White.
Packaged in a cardboard organizer box
CAT# 80-3514PAK – \$35.85

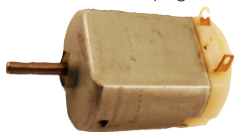
Reed Switch 10/pkg

These require a magnet in close proximity to close the switch and complete the circuit. This type of switch is often used on doors for burglar alarms.
CAT# 80-3528-00 – \$15.25

Motor Pulleys
(2mm hole) 10/pkg

These pulleys fit directly on the motor shaft. They are available in 3 sizes.

- a. CAT# 80-3577-75
25MM – \$9.75
b. CAT# 80-3577-50
12MM – \$6.95
c. CAT# 80-3577-00
10mm – \$3.95

Motor 1.5V-3V 6/pkg

This motor is ideal for solar projects. 2mm spindle.

CAT# 80-3545-SO – \$8.40

Motor 1.5V-4.5V 6/pkg

This motor will work with one or two batteries. 2mm spindle.

CAT# 80-3545-00 – \$8.75

Motor 1.5V-7V 6/pkg

This motor will take a higher voltage. 2mm spindle. 9v battery will work

CAT# 80-3550-00 – \$9.60

Motor 3V-9V 6/pkg

Uses 2 or 4 batteries for greater torque. 2mm spindle.

CAT# 80-3559-00 – \$10.95

Motor 6V-12V

This heavy duty motor has a 2mm spindle. Suitable for large robotic projects. Can be used as a generator motor.

CAT# 80-3550-80 – \$4.50
2-5 pcs – \$4.15
20pcs or more – \$2.80

Off-Centred Mass Wheel 6/pkg

Fits directly onto a 2mm motor spindle and provides the imbalance needed for 'bugs' and vibrating mechanisms. Motor not included.

CAT# 80-3572038 – \$3.40

Motor Spindle Gear 20/pkg

This spindle gears fits our motors with a 2mm shaft. It has ten teeth and can also be used as a pulley.

CAT# 80-3574-00 – \$8.80

Bushings 20/pkg

These convert a 4mm hole to a 2mm hole for a push fit onto a motor.

CAT# 80-3588-00 – \$2.00

Propellers 6/pkg

3" (76mm) plastic high-speed propellers with three blades. This is an ideal propeller for mag-lev projects and fits onto a 2mm spindle. (motor sold separate)

CAT# 80-3555-00 – \$7.90

Airplane Propellers 10/pkg

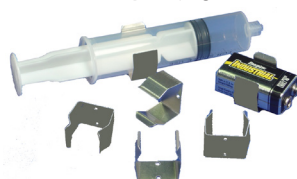
This propeller is 150mm long. The centre fits onto a 2mm spindle.

CAT# 80-3556-00 – \$13.50

Solar motor propellers 6/pkg

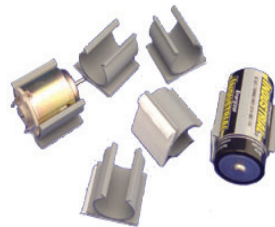
This 4 blade propeller is ideal for use with solar motor 80-3545-SO. 2mm hole.

CAT# 80-3554-00 – \$12.00

Aluminum Clips 6/pkg

These clips hold motors, syringes, and batteries.

CAT# 70-32-093 – \$3.90

Self-Adhesive Mounts 6/pkg

These self-adhesive plastic mounts can be used to secure motors, syringes, and 'C' batteries.

CAT# 70-32-043
For 5cc syringe & "AA" Batteries 3/8" – \$6.25

CAT# 70-32-063
For 10cc & up syringe & "C" Cell Batteries 5/8" – \$5.60

Alligator Clips 10/pkg

Alligator clips with insulation and screw terminals.

CAT# 80-3508-00 – \$4.05
2 or more – \$3.60

Parts Organizer

This parts organizer bin is ideal to keep all your buzzers, bulbs, switches, gears, pulleys etc. organized.

Dim. 420mm x 305mm x 61mm (16.5"x12"x2.4")

CAT# 83-1189-00 – \$20.15

ENGbox-e

Junior Engineering Box, Electricity

**Capacitor**

4700 uF 6.3 Volt capacitor. A capacitor is a circuit component that is made of two conducting surfaces (plates) separated by a dielectric (non-conducting insulator) material. Sold Individually.

CAT# 80-3500-13 – \$2.25

Resistors 10/pkg

This 330ohm can act to reduce current flow, and, at the same time, act to lower voltage levels within circuits.

CAT# 80-3509-25 – \$1.50

Buzzers 4/pkg

Mini buzzers with leads.

CAT# 80-3534-00

1.5V – \$11.25

CAT# 80-3536-00

4.5V – \$11.25

Battery holders with leads 5" average lead length

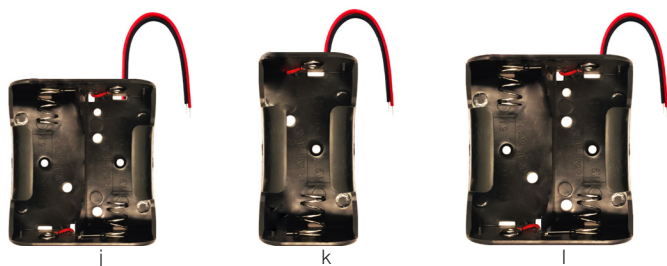
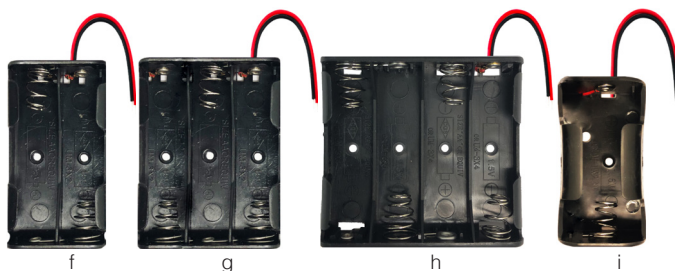
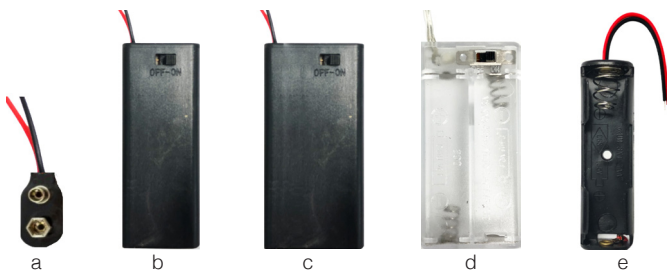


FIG	CAT#	DESCRIPTION	1	2-5	6+
a	70-32-236	9V Strap 6/pkg	\$2.40	\$2.35	-
b	70-32178SW	Single AA Holder with on/off switch	\$1.08	96¢	-
c	70-32142SW	Double AA Holder with on/off switch	\$1.62	\$1.49	\$1.35
d	70-32142ST	Double AA Holder with on/off switch, clear case	\$1.62	\$1.49	\$1.35
e	70-32-178	Single AA Cell 1.5V 10/pkg	\$6.60	\$6.05	-
f	70-32-142	Double AA Cell w/leads 3V ea	\$1.08	\$0.90	\$0.86
g	70-32-145	Triple AA Cell w/leads 4.5V	\$1.43	\$1.18	-
h	70-32-149	Quadruple AA Cell w/leads 4.5V	\$1.43	\$1.18	\$1.05
i	70-32-179	C Cell Single 1.5V 10/pkg	\$9.80	\$8.20	\$7.20
j	70-32-170	Double C Cell w/leads 3V ea	\$1.32	\$1.10	\$0.99
k	70-32-180	D Cell Single 1.5V 10/pkg	\$9.90	\$8.80	\$8.00
l	70-32-177	Double D Cell w/leads 3V ea	\$1.50	\$1.25	\$1.13

Batteries



FIG	CAT#	DESCRIPTION	1	2-5	6-19	20-49	50+
a	70-3201-00	AA Alkaline	89¢	84¢	74¢	63¢	58¢
a	70-54-3201	BULK "AA" 60/pkg	\$31.50	\$28.35	-	-	-
b	70-3211-00	AAA Alkaline	\$1.40	\$1.20	\$1.15	\$1.05	\$1.00
c	70-3203-00	C Alkaline	\$1.60	\$1.40	-	-	-
d	70-3205-00	D Alkaline	\$2.50	\$2.20	\$1.87	\$1.76	-
e	70-3209-00	9 Volt Alkaline	\$2.80	\$2.50	\$2.25	\$2.05	-
f	70-3216-00	3V Lithium 5/pkg	\$2.10	\$1.95	-	-	-

D Cell Single 1.5V, Snap on



Snap together. Instantly connects in series or parallel without leads or wires.
CAT# 70-32-176 – \$2.10

Battery Tester



The colour scale indicates if the battery condition is good, low or ready to be replaced.
CAT# 70-3200-00 – \$11.25

30 W Soldering Iron with stand



CAT# 80-4855-00 – \$13.20

Soldering Gun



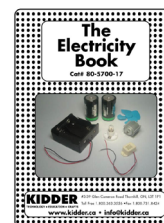
This pistol grip soldering gun is 100watts. 40gm solder tube.
CAT# 80-4859-00 – \$36.00

Solder 40gm



CAT# 80-4856-00 – \$4.40

The Electricity Book



An introduction to simple circuits and making your own switches with plenty of illustrated examples to stimulate classroom activities, including bulbs, motors, buzzers and batteries.

CAT# 80-5700-17 – \$10.95

Lantern Battery 6V Alkaline



This long lasting 6V lantern battery can be used as a portable power supply. It replaces 4 D cell batteries.
CAT# 70-32-147 – \$9.95

5V Power Supply with Alligator Leads



Power your STEM/STEAM projects - from motorized cars to mechanical contraptions. Plug into a wall outlet, with an output of 5v/3A and over six feet of cord with color-coded alligator clip leads. Reusable, portable and packed with a punch of power for any maker space workshop.
CAT# 9T-182362 – \$29.95
2 or more – \$26.20

Electrodes

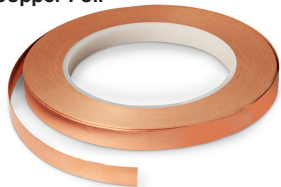
19 x 100mm flat, batter electrode.



Copper Strip Electrode
CAT# 80-3560-97 – \$1.75
6 or more – \$1.30



Zinc Strip Electrode
CAT# 80-3560-98 – \$1.65
6 or more – \$1.20

Copper Foil

A fun and easy way to make basic circuits. This foil is a self adhesive roll.

CAT# 80-3501-25
1/4"x33mm – \$13.05

Copper Wire

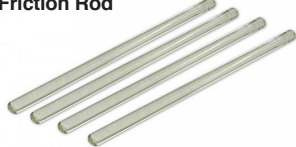
This magnet copper wire can be used to make a DC motor. 22 gauge 150' roll.

CAT# 80-3510-35 – \$15.40

Electrical tape

Adhesive backed electrical tape. Each roll is 3/4in. Wide, 66ft. long & .007in. thick. Rated for: less than 600V and less than 80°C use. CSA approved.

CAT# 83-1721-00 – \$1.68
2 or more – \$1.48

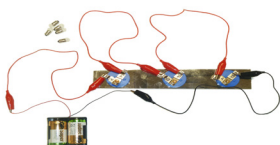
Friction Rod

Use these rods for creating frictional electricity with materials like silk, wool, fur for charging electroscopes etc. Approximate dimensions of solid rods are 250-300(L) x 10-13(Dia.)mm. Sold individually.

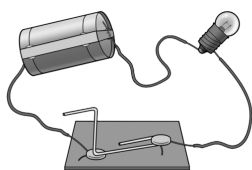
CAT# 80-3562-01 Ebonite – \$3.60
CAT# 80-3562-02 Glass – \$3.40
CAT# 80-3562-03 Acrylic – \$3.70

Conductivity Tester

Kidder has created a device that is able to detect the conductivity of certain rocks, minerals and just about any inanimate object/material. Place both ends of the alligator lead to the object and if the buzzer goes off it is conductive! Simple as that. *Rocks & 9V battery not included*
CAT# 80-54-3390 – \$7.25
2 or more – \$6.75

Series & Parallel Circuits Kit

Circuits consisting of just one battery and one load resistance are very simple to analyze, but they are not often found in practical applications. Usually we find circuits where more than two components are connected together. Kidder has created a kit that will help teachers get their message across to students about the characteristics of electricity. Batteries & all leads included.
CAT# 80-54-3310 – \$16.95

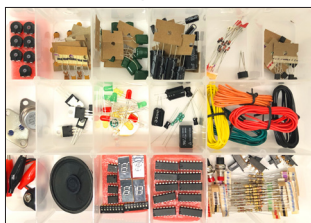
Make your own switch

1" Brass Connectors 25/pkg

CAT# 83-1620-00 – \$1.93

Paper Clips 200/pkg

CAT# 83-1612-00 – \$1.63

NEW**ENGbox-c
Electronic Component Kit**

This Basic Electronic Parts Kit includes a wide variety of basic electronic parts to satisfy almost any training project. Packaged in a handy plastic parts container with 18 compartments. Kit includes a variety of Resistors, Capacitors, Semi conductors, LEDs, Inductors, Wire and a number of miscellaneous items like switches, buzzers, battery snaps and alligator clips.
CAT# ENGBOX-C – CA\$134.00

Wire Stripper

This useful tool strips away the plastic insulation, leaving wire strands exposed.

CAT# 83-1138-00 – \$10.95

Wire Stripper Return spring

Adjustable Wire Stripper; Return Spring; Cushion Grip 5" Long.
CAT# 83-1137ST3 – \$5.85

Digital Multi Meter

- 7 functions, 19 ranges
- diode & transistor tester
- DC & AC voltage
- DC current
- Resistance
- Temperature
- Self battery test

CAT# 80-3KW140 – \$28.15

Wire Stripper Automatic

This wire stripper is ideal for any and all electricity projects using multi or solid core wire. Fits AWG 18, 14, 12, 10, 8
CAT# 83-1136-25 – \$14.00
2 or more – \$12.60

Electric Paint and Activities

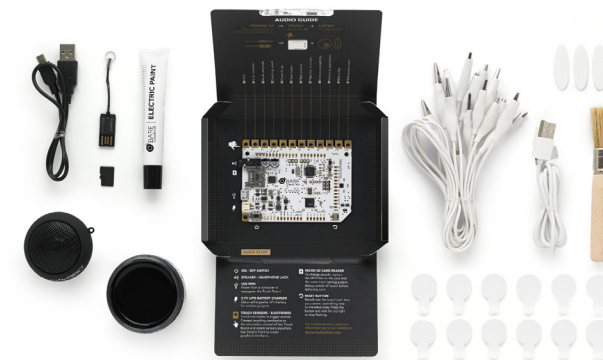
You can use Electric Paint for a range of applications, from creative to highly technical projects. It provides a great platform for discovering, playing, repairing and designing with electronics. Electric Paint can be used as a liquid wire to draw or print graphical circuits, or even as a conductive adhesive eliminating the need for soldering equipment. It is non-toxic, solvent free and water soluble. This makes it great for use at home or in the classroom.

Electric Paint Pen 10 ml

CAT# 8035-CEPP – \$15.25

Electric Painting Jar 50 ml

CAT# 8035-CEPJ – \$44.30

Touch Board Starter Kit

The Touch Board Starter Kit comes ready to plug in and play and is supported by a printed Guidebook, three sample projects, tutorials and digital resources. It provides inspiration for a varying scale of complexity, from the creation of responsive wall graphics and audio reminders, to alarms.

CAT# 8035-TBSK – \$268.00

Wearable Tech

NEW

You don't want to miss the opportunity to incorporate a fun-filled, ART and Science crossover project with our new Wearable Tech line! This Kit provides the necessary materials to engineer sewable circuits into DIY arts, crafts and fashion tech projects - from LED light up scarfs and leggings to pressure sensors for wearables. Add more buttons, beads and flare to your liking!

Wearable Tech starter kit



Wearable Tech

Individual Starter Kit

Kit includes:

- 10 ft of conductive thread
- 2 x 3v lithium batteries
- 2 x sewable 3v battery holders
- 2 x LED (colours may vary)
- 1 x Assorted beads.

CAT# 83-54-WCKT - \$11.50

2 or more - \$10.00

COLOURS AND TYPE MAY VARY.



48 Student Wearable Tech Class Pack

Kit includes:

- 240 ft of conductive thread
- 50 x 3v lithium batteries

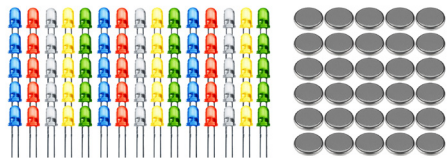
- 48 x sewable 3v battery holders
- 72 x LED (colours may vary)
- Assorted beads (160 grams)

CAT# 83-54-WC24 - \$210.00

COLOURS AND TYPE MAY VARY.

Paper Circuits

25 Student Class Pack

NEW

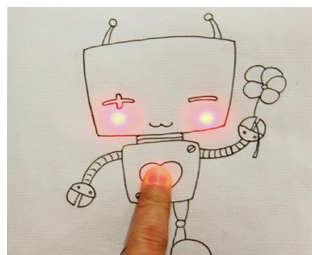
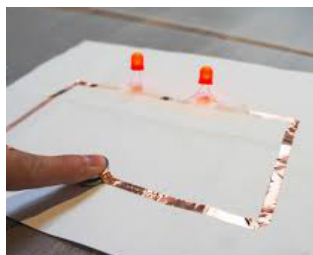
This class pack includes:

- 2 x 36yrd self adhesive copper foil
- 75 x assorted led lights
- 30 x 3V lithium Battery

This pack gives you all the key components to create your own paper circuits and bring your electricity course to life. Enough materials for 25 (or more) students to build their own paper circuit. The pack does not include cardstock or paper.

CAT# 83-54-3010 - \$53.00

2 or more - \$49.00



Electricity Kit



Kit Includes:

- 18 Bulb Holders with Fahnestock clips
- 25 Miniature bulbs, 2.5V
- 18 switches with Fahnestock -clips
- 18 'D' Batteries, 1.5V
- 18 Battery holders, 1x 'D'

for w/s/p connections

- 2 Leadwire set/10
- 6 Mini motors
- 4 Buzzers
- Caddy with cover
- Instruction manual

CAT# 80-54-3201 - \$185.00

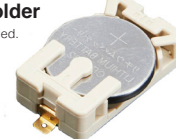
Buzzer 1.5v, 4/pkg



CAT# 80-3534-00 - \$11.25

Sewable 3V Coin cell Battery Holder

Battery not included.



CAT# 70-3208822 - \$4.15

20 or more - \$3.10

3V Lithium Coin Cell Batteries 5/pkg



CAT# 70-3216-00 - \$2.10

2 or more - \$1.95

Conductive Thread Bobbin 30 ft



CAT# 80-3500641 - \$8.05

6 or more - \$7.05

LED's 25/pkg

Red, Green, Blue, Yellow, White



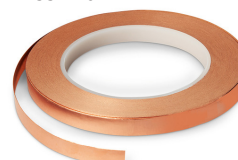
CAT# 80-3514-00 5mm - \$6.25

2 or more - \$5.00

CAT# 80-3514SUB 10mm - \$10.95

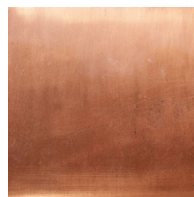
2 or more - \$9.55

Copper Foil Tape 1/4" x 33m roll



CAT# 80-3501-25 - \$13.05

Copper Adhesive Foil Sheet 12x12x1mm



CAN BE CUT TO SIZE WITH A SCISSOR.

CAT# 80-3501SHT - \$12.25

2 or more - \$10.90

Plastic Beads Assorted 40gm



CAT# 83-1236-00 - \$1.93



Squishy Circuits uses conductive and insulating play dough to teach the basics of electrical circuits, a perfect blend of play and learning! Our play dough kits, projects, and recipes teach problem solving and engineering concepts and inspire creativity and independent thinking.

Lite Kit

The lite kit is the most basic kit and includes everything that you need to make your first Squishy Circuits light up quickly and easily. It is ideal for classrooms, parties, or events where every participant needs their own battery pack and wants to get started building right away. Contents: 1 – Battery Holder, 15 – LEDs (5 each of Red, Green, Blue), 1 – 5-Ounce Container of Conductive Dough (colors vary)

CAT# SQ-98352 – \$22.50

2 or more – \$19.70



Standard Kit

The standard kit includes most of the components to be used with Squishy Circuits for more design creativity. It does include dough, but the dough is easily made with the included recipes and common kitchen ingredients. Contents: 1 – Battery Holder, 1 – Piezoelectric Buzzer, 3 – 3.5oz containers of conductive dough, 1 – 3.5oz insulating dough, 25 – LEDs (5 each of Red, Green, White, Yellow, Blue)

CAT# SQ-98353 – \$54.00

2 or more – \$47.25

Deluxe Kit

The deluxe kit is our most complete Squishy Circuits kit. It comes with more items than the standard kit and comes with pre-made doughs so you can start circuit building right away! This kit also includes a deluxe battery holder which has a knob that allows your lights to blink and buzzers to beep at different speeds. Contents: 1 x Deluxe Battery Holder, 1 x Piezoelectric Buzzer, 1 x Motor with Fan, 1 x Mechanical Buzzer, 1 x Switch, 40 – LEDs

(5 each of Red, Green, White, Yellow, Blue, Purple, Orange, and Color Changing)
1 x Set of Dough, Sculpting Tools, 1 x Rolling Pin, 1 x 7-Ounce Container of White Insulating Dough, 7 x 7-Ounce Containers of Conductive Dough (in Red, Blue, and Green, Yellow, Orange, Purple, and Black)

CAT# SQ-98354 – \$108.00

2 or more – \$94.50



Crazy Circuits Kit

Combine the power of Arduino with Squishy Circuits in the Crazy Circuits With Squishy Circuits kit. The included Touch Board provides users with the ability to turn the included Squishy Circuits Dough into interactive programming projects. Create your own programs or use one of the many online guides or tutorials. Make your own dough based lighting and sound system or even your own dough based game controller! Crazy Circuits parts are compatible with LEGO and similar brick building systems. Crazy Circuits parts come 100% ready to go out of the box, which means no soldering or preparation required.

CAT# SQ-98355 – \$197.00

2 or more – \$169.00

Group Kit

The group kit is perfect for classrooms, makerspaces and more.

Every group kit is packed in a sturdy, plastic case and includes:

10 - Battery Holders (40 AA Batteries not Included)

10 - Piezoelectric Buzzers

10 - Motors with Fan Blades

10 - Switches

80 - LEDs - 10 ea in Red, Green, White, Yellow, Orange, Purple, Blue, and Color Changing.

We suggest up to 3 children per battery holder, so this kit accommodates groups of 1-30.

CAT# SQ-98356 – \$351.00

2 or more – \$340.00



Dough Kit

Learn and explore through the power of play. With Squishy Circuits dough kit, make play dough science projects fun through an array of different colors. The dough kit includes 7 containers of conductive dough and 1 container of white insulating dough! Each container holds 7 ounces (a normal, bought container is 5 ounces). The dough does contain gluten, but is safe and non-toxic. The conductive dough does dry out if left out of the container, but the insulating dough does not dry out.

CAT# SQ-98357 – \$30.00

2 or more – \$26.25



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 inbetween. How Does it Work? Alligator Clip two objects to the Makey Makey board. For example, you and a banana. When you touch the banana, you make a connection, and Makey Makey sends the computer a keyboard message. The computer just thinks Makey Makey is a regular keyboard (or mouse). Therefore it works with all programs and webpages, because all programs and webpages take keyboard and mouse input.

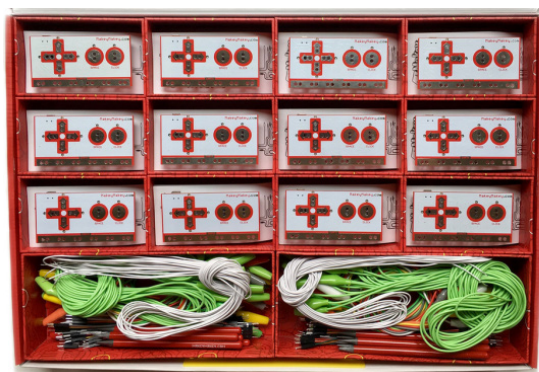
Makey Makey GO Kit



Small enough to fit on your keychain or in your pocket, Makey Makey GO promises to inspire even more science, technology, engineering, and math (STEM) projects than the original, award-winning Makey Makey – named one of Consumer Reports' "Best Tech Toys of 2014."

Contents: 1 x USB Invention Stick, 1x case of magnet, 1 x white alligator clip (2.5 ft), 1 x keyring, 1x instruction guide.
CAT# 8T-MMGO – \$33.05
20 or more – \$25.00

Makey Makey STEM Pack



Perfect for classrooms, schools, districts, workshop teachers, and anyone else that wants all their Makey Makeys in a really nicely organized briefcase. The Makey Makey STEM Kit is a distillation of 12 Makey Makeys, 12 booster packs and some extra parts for when you want to invent something even bigger.

Contents: 12 Makey Makey Classics, 12 (6ft) Alligator Clips, 12 (6ft) Connector Wires, 72 extra Alligator Clips, 144 New and Improved Connector Wires (for the back), 12 Makey Makey-Optimized Conductive 6B Pencils.
CAT# 8T-MMCK – \$1034.00

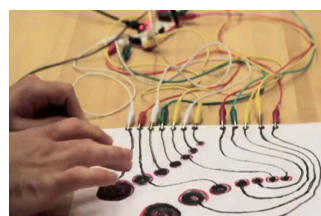
Makey Makey Classic Kit



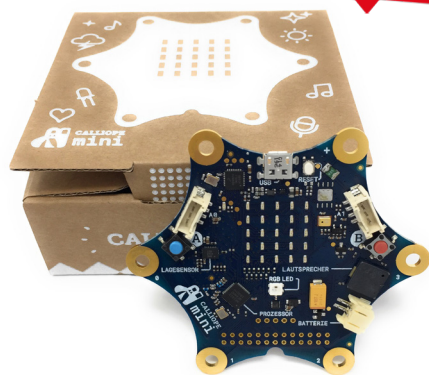
Makes STEM Education fun! Start out easy with a banana piano. First setup takes seconds. Then make game controllers, musical instruments and countless inventions. Advance to additional inputs and multi-key remapping up to 18 keys. Ages 8 to infinity.

Contents: Makey Makey Board, USB Cable, 7 Alligator Clips, 6 Connector Wires, Instructions with Visual Project Start Guide, Online Documentation and 20 Color Stickers.
CAT# 8T-MMCE – \$70.50

Makey Makey Project Ideas



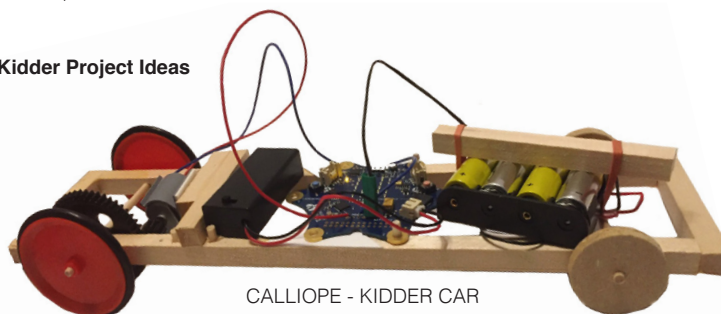
NEW



Calliope mini

Calliope mini is designed and built in Germany. It's based on the open source BBC micro:bit, is a tiny computer designed for students grade 3 and up, to explore the world of coding and physical computing. Get creative and start designing! The kit comes with the board, USB cable, elastic band, battery holder, thorough instructions and some very lovely stickers. (batteries are not included)
CAT# 6-CALI-001 – \$75.00
2 - 6 – \$70.00

Kidder Project Ideas



CALLIOPE - KIDDER CAR

Why shouldn't we choose the British micro:bit?

There are two reasons for not doing so: The contact strip is arranged in a way that leads to short circuits quite regularly the contacts are too close to each other (that's also why we chose the star shape for the mini, putting the contacts as far away from each other as possible). Furthermore, the micro:bit lacks a few important components, to supply students with great experiments, most importantly a speaker, a RGB LED and a microphone. We place great emphasis on a maximum of compatibility to the British model, that's why it's possible to use existing code for the micro:bit on the mini as well.



NEW

Award-winning robots for the next generation of creators. These bots can be coded two ways: online with OzoBlockly and screen-free with Color Codes. Our mission is to inspire young minds to go from consuming technology to creating it.



Ozobot DIY skins 4/pkg



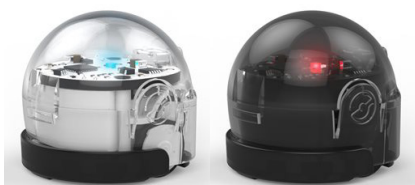
CAT# ZB00120400 BIT



CAT# ZB00130400 EVO

1 – \$97.00
2 or more – \$92.00

Ozobot BIT single pack

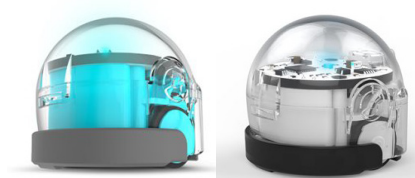


CAT# ZB02010101
White

CAT# ZB02010102
Black

1 – \$94.50
2 or more – \$89.50

Ozobot BIT starter pack



CAT# ZB04020103
Blue

CAT# ZB04030104
White

1 – \$94.50
2 or more – \$89.50

Ozobot EVO



CAT# ZB07060101
White

CAT# ZB07060102
Black

1 – \$163.50
2 or more – \$155.00

Ozobot Washable markers 5/pkg



CAT# ZB97000200

1 x Red, 1 x Green, 1 x Blue and 2 x Black

CAT# ZB97000300

5 x Black

1 – \$69.50
2 or more – \$65.50

Ozobot colour code 5/pkg



CAT# ZB66000100 – \$139.50
2 or more – \$131.50

Ozobot BIT classroom kit, white 18/pkg



CAT# ZB05041800 – \$2498.00
2 or more – \$2363.00

Ozobot EVO classroom kit, white 12/pkg



CAT# ZB05121001 – \$2498.00
2 or more – \$2363.00

Ozobot EVO classroom kit, white 18/pkg

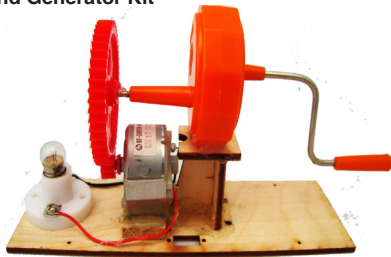


CAT# ZB05181001 – \$3330.00
2 or more – \$3150.00

Ozobot Evo Educator Entry Kit



CAT# ZB070301US – \$163.50
2 or more – \$155.00

Hand Generator Kit

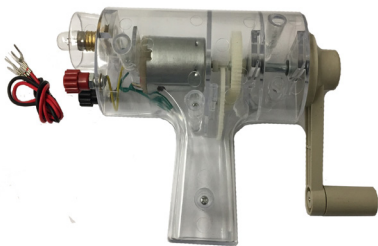
Just wind the motor and watch the light bulb illuminate. Find out first hand how the RPM speed directly effects amount of power going into the circuit. Some gluing required.

CAT# 80-5434-SK

Single Kits – \$21.95

CAT# 80-5434-00

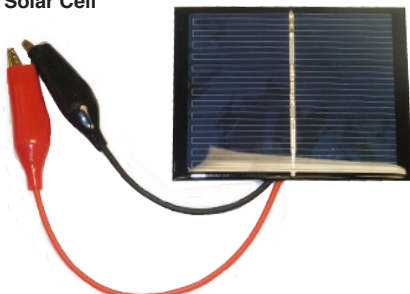
20 Student Class Pack – \$395.00

Hand Generated Flashlite Kit

Housed in tough, clear plastic. Mounted lamp on the end can be used as a flashlight. Comes with leads to power other items like buzzers, LEDs or capacitors.

CAT# 80-3571-00 – \$12.85

6 or more – \$10.00

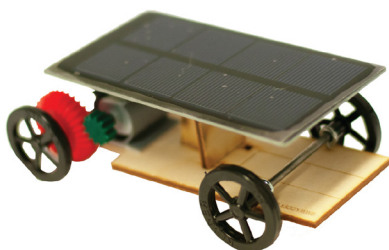
Solar Cell

Encapsulated mini solar panel with 6" red and black leads (no soldering required). Great for science projects or solar energy lessons. Connect together in series to increase voltage, in parallel to increase current. Output is 1.5 volts, 500mA. 3.75" X 2.5".

CAT# 80-3568-35 – \$16.65

2-5 – \$15.20

6 or more – \$14.25

Solar Car Class Pack

This new solar car kit works well in bright sunlight and demonstrates the science of solar energy. This car is gear driven. Single Kits

CAT# 80-5438-SK Single Kits – \$24.95

CAT# 80-5438-00 12 Student Class Pack \$294.00

Snap Circuits Alternate Energy Kit

Learn about energy sources and how to "think green". Build over 125 projects, using the flexibility of our award-winning Snap Circuits®, to have loads of fun learning about environmentally friendly energy and how the electricity in your home works. Includes full colour manual with over 100 pages and separate educational manual. The educational manual will explain all the forms of environmentally friendly energy including: geothermal, hydrogen fuel cells, wind, solar, tidal, hydro, and others.

CAT# 80-3503125 – \$122.50

Solar Power Kit

- 150 Challenging Experiments.
- Convert solar energy.
- Build a solar electric generator, motor, water heater, furnace, thermometer, crane and solar energy mobiles.
- Unique experiments with colour optics, electroplating, stroboscopes, thermodynamics and Moiré patterns.

CAT# 80-3568300 – \$54.50

Solar Kit

A kit comprising 400 mA solar module, low-inertial DC motor, connecting lead, fan impeller and selection of turntable discs. Supplied complete with booklet explaining the principles and applications of solar energy, this kit is an ideal educational introduction to solar power.

CAT# 80-3598823 – \$31.05

2 or more – \$27.95

Electric Energy Demo Set

Students can experiment with this kit to discover for themselves how energy exists in many forms and the resources from which society can benefit. Some examples include mechanical, chemical, light, and wind. Harnessing these forms and converting them into electricity creates easier ways of accomplishing many tasks. Kit comes with a helpful manual.

CAT# 80-351113 – \$113.50

2 or more – \$107.50

Solar Propeller

Plastic, 2mm hole, 4 blades (5 cm diameter).

Ideal for use with Solar Motor

CAT# 80-3554-00 – \$12.00

5mm 25/pkg

The LEDs require a 3V power supply (5x R,G,B,Y,W)

CAT# 80-3514-00 – \$6.25

Motor 6V-12V

This heavy duty motor has a 2mm spindle. Suitable for large robotic projects. This motor can be used as a 3v generator to run LED lights.

CAT# 80-3550-80 – \$4.50

2-5 pcs – \$4.15

20pcs or more – \$2.80

Halogen Light

- 500w Portable Halogen Light
- A perfect light source to operate any of Kidder's Solar powered kits.

CAT# 83-1120-75 – \$31.40

USING WIND ENERGY

Advanced Wind Experiment Kit

Discover advanced aspects of wind turbine technology. Test different blade designs, gear ratios, generators, and devices to measure electrical and weightlifting power. Discover advanced concepts of wind turbine technology! Young scientists can explore gearboxes and airfoils. They can also construct blades to generate electricity, lift weights, and pump water. This kit is perfect for grades 7-12 and is all inclusive. You will need your own wind source, basic tools, and imagination!

CAT# 80-3KW5409 – \$206.50

Kit Includes

Wind Turbine Generator with wires
Weightlifter Nacelle Parts
Wind Turbine Hub
Power Output Board
Tower & base
Plastic Weightlifter Bucket

Blade Pitch Protractor
25 Dowels
Power Output Pack
5 Balsa Wood Sheet (3" x 12" x 3/32")
10 Chipboard Blade Sheet (3" x 12")
4' String

Supplies can also be order separately (see below for details).



Box Fan 20"



This fan has 3-speed settings and a reinforced grille for safety and durability.

CAT# 80-3KW5409 – \$46.40

Blade Pitch Protractor



This tool makes blade pitch experiments much easier! The Blade Pitch Protractor has a cut-out notch to fit around the blade dowel, and it has ridges on the back that align with the KidWind hub, making it perfect for reading, measuring, and comparing blade pitch angles.

80-3KW259 – \$9.75

2-5 – \$7.75

12 Hole Hub

Fits a 2mm shaft motor



The hub will press fit onto the shaft of many small DC generators; just attach your own blades and begin experimenting with wind power. The hub is designed to allow you to change blade angles and/or interchange blade sets quickly and easily. It will fit up to 12 1/4" dowels.

CAT# 80-3KW005 – \$15.75

2-5 – \$15.00

6 or more – \$13.50

High Torque Motor



The High Torque Generator is another option for your wind turbine generator. When compared to the standard Wind Turbine Generator, this High Torque Generator will produce lower voltage but higher current for a given rotor RPM. The High Torque Generator is great for load devices with higher current draw, such as the water pump. This generator has the same 2mm driveshaft as the standard Wind Turbine Generator, so the Wind Turbine Hub is interchangeable with either motor.

CAT# 80-3KW055 – \$19.00

2 or more – \$18.50

Balsa Wood 6/pkg



Use these balsa sheets as blade material. The sheets are 3/32" by 18" long.

CAT# 83-AW404 – \$18.00

Dowel 8/pkg



These dowels are used for designing and testing wind turbine blades, and they fit into the turbine hub. Students can design blades using materials like balsa wood or chipboard sheets, and attach their blades to the dowels using glue or tape. The dowels are 1/4" x 24".

See full sheets on page 28.

CAT# 83-2004-02 – \$5.35

Wind Generator Motor



This is the primary generator for wind turbine experiments because it runs smoothly and provides high power output at a relatively low RPM. This generator has 4-foot leads which are attached with shrink-wrapped, reinforced soldering. Typical output in non-geared wind devices is 0.5–2.5 V at 0.1–0.3 A.

CAT# 80-3KW050 – \$14.70

2 or more – \$12.85

Gear Set



Experiment with gear ratios on your wind turbine or other small projects. Adding gears to your turbine can greatly increase the generator RPM, giving you higher power output. The small 8-tooth gear fits on 2 mm driveshafts that are found on many DC generators. The gears have a keying feature that allows them to be changed quickly and easily using the included hex locks. The hex lock secures to our 9/64 inch hex-driveshaft. Hex-driveshaft not included. Spool is used as a lift device. Gear sizes: 64 teeth, 32 teeth, 16 teeth, 8 teeth.

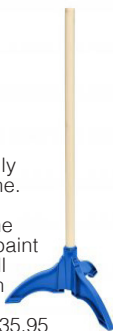
CAT# 80-3KW065 – \$17.80 set

Wood Tower with Base



Use this tower to easily build your wind turbine. The turbine head fits easily on the top of the stand. You can even paint it. The tower is 20" tall and the base is 17" in diameter.

CAT# 80-3KW250 – \$35.95



Coroplast 16/pkg



This corrugated plastic can be used for blade material. The sheets are 4mm x 7.5cm x 40cm.

See full sheets on page 27.

CAT# 80-1203-16 – \$10.00

7/64" Diam. Drive Shafts 6" long



These can be attached to your hub (some drilling required) to use to make blades.

CAT# 80-3KW095 – \$14.35

Digital Multimeter/Tester



Use this digital meter to view output voltage.

CAT# 80-3KW140 – \$28.15

2 or more – \$25.10

Water Pump

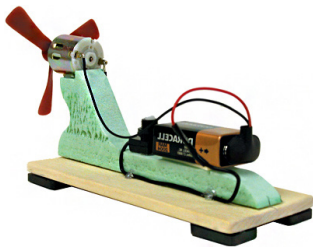


This low voltage water pump is a great way to demonstrate power output from the wind and solar kits. It makes comparing different turbine designs easy; simply measure how high different turbines can pump water using this mini pump.

CAT# 80-3KW180 – \$20.95

2 or more – \$20.35

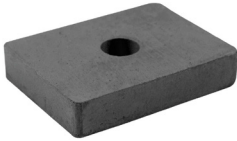
Mag-Lev Cars Student Class Pack



Kit includes the parts to build your magnetic levitation cars, excluding body parts.
CAT# 80-5450-00 – \$125.00

30 Student Class Pack
5 x 80-3550 6/pkg
3-9V Input Toy Motor
5 x 80-3555 6/pkg
3" Plastic Propellers
3 x 80-3560
Magnets 50/pkg
1 x 80-5747
Procedure Sheet

Ceramic Magnets 50/pkg



These magnets are 1" x 3/4" and are excellent for use in magnetic levitation projects.
CAT# 80-3560-00 – \$18.90

Ceramic Bar Magnets 10/pkg



These ceramic bar magnets are composed of strontium carbonate and iron oxide and have coated marked poles. They are 1" x 3/8" x 1/4".
CAT# 80-3560-23 – \$7.50

Mag-Lev Track



The Maglev Track includes two aluminum 4' tracks, as well as four 4' strips of magnet that act to repel your car and keep it in the air. Includes two pins to hold two track pieces together. Dimensions: 4' x 3 3/4" sections.
CAT# 80-5454-00 – \$476.00

Powerful Rare-Earth Magnets



You will find many uses for these powerful magnets. Lifting capacity for the 1/4" magnet is 2.5lbs and for the 1" magnet is 30lbs.

CAT#	SIZE	PKG	PRICE
CAT# 80-35MAG14	1/4" x 1/10"	20/pkg	\$13.10
CAT# 80-35MAG38	3/8" x 1/10"	10/pkg	\$9.25
CAT# 80-35MAG12	1/2" x 1/8"	10/pkg	\$16.20
CAT# 80-35MAG10	1" x 1/8"	5/pkg	\$22.65

U-Shaped Magnets

North-South U-Shaped Magnets. Assorted sizes below.
CAT# 80-3559-10 75mm \$4.25
CAT# 80-3559-20 100mm \$5.95
CAT# 80-3559-30 150mm \$8.75



Floating magnet Ring Set

Demonstrate how magnetic poles repel each other by placing three or more rings on the pole. This set comprises of five coloured ring magnets (32mm x 18mm x 6mm) magnetized parallel to the axis and is equipped with an acrylic rod mounted on a non magnetic plastic base.
CAT# 80-3560-27 – \$11.75
6 or more – \$9.25



50 ft Flexible Magnetic Strip 50 ft



Flexible Magnetic High Energy Strip with adhesive. Plain, Pressure Sensitive Laminating Available. Perfect for your MAG LEV tracks.
CAT# 80-3560FLX – \$142.00

Iron Fillings in Shaker 200g



Iron filings in plastic bottles. (grease free)
CAT#80-3560-80 – \$9.00

Iron Fillings in plastic containers 5/pkg



Iron Fillings in a sealed Clear Rectangular Case. See how iron filings react with magnets and show magnetic fields without the mess.
CAT# 80-3560-70 – \$15.75

Bar Magnets Steel 100 x 12 x 5mm



These magnets are useful for demonstration, plotting magnetic fields. They are made from magnetic steel strips. The ends are painted red and stamped with 'N' and 'S' to indicate north and south poles. Supplied in pairs with cardboard separator and plated soft iron keepers.
CAT# 80-3559-47 – \$5.65

Sighting Compass 45mm Dia



These magnetic compasses have sighting slits in the end of the case.
CAT# 80-3560-95 – \$6.35
6 or more – \$5.10

Magnetic Marbles 10/pkg



This nature magnetic loadstone. 2.5cm.
CAT# 80-3559-60 – \$3.90

Electromagnetic Kit



Kit includes: disc, latch and neodymium magnets, compass, straws, wires, sand paper, switch plates, wood screws, nails, light bulbs, battery holders, iron filings, pre-drilled wood blocks, light emitting diode (LED) and experiment and project book. Ages 10+
CAT# 80-54-3562 – \$62.50

makedo cardboard construction

Makedo needs little introduction; find some cardboard, grab some Makedo tools and get started. The awesomeness of Makedo is that children learn by doing, creating, experimenting, failing and maybe succeeding but that's not essential.

Tool Set 360pcs



CAT# MD-20008
1 Kit – \$175.00
2 or more – \$166.50

Event Pack 1440pcs



CAT# MD-5420008
1 Kit – \$660.00

Scru Driver 5pcs



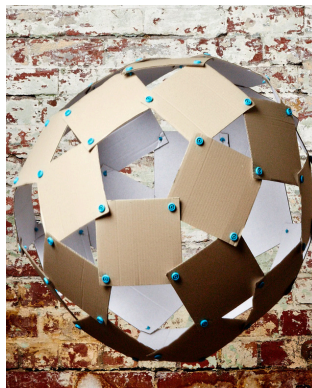
CAT# MD-30003
1 Kit – \$14.00
2 or more – \$13.30

Safe Saw 5pcs



CAT# MD-30004
1 Kit – \$17.50
2 or more – \$16.65

Project Ideas



Tool Kit 30pcs



CAT# MD-20006
1 Kit – \$17.50
2 or more – \$16.65

Blu-Scru - SM



CAT# MD-30001
1 Kit – \$17.50
2 or more – \$16.65

Mini Tool



CAT# MD-30005
1 Kit – \$17.50
2 or more – \$16.65

Blu-Scru - XL



CAT# MD-30002
1 Kit – \$14.00
2 or more – \$13.30

Precision Cardboard Saw



CAT# MD-DC30F1
1pc – \$15.95
2 or more – \$13.40

Replacement Blades 2/pkg
CAT# MD-DC25F2 – \$11.45

Kleiver Excel Safety Cutter 5/pkg



CAT# MD-KCJ-1 – \$24.30
6 or more – \$19.85



Rigamajig is a building system of carefully shaped wooden planks, wheels, pulleys, nuts, bolts and rope designed for collaborative makers. Rigamajig Junior is designed for home use. Perfect for playing with on the living or bedroom floor, backyard or even in the back seat, it's handy carrying duffel bag makes it easy to put away and bring it anywhere. Rigamajig inspires group STEM problem solving and play in three dimensions to explore mechanics, engineering and structure.

Rigamajig Jr. Kit 160 pcs



Rigamajig Jr features 2 cm (1/2") thick Baltic Birch Planks that range from 15cm x 56 cm (6" - 22"), for structures and machines large enough to play inside of, but small and light enough to play in a lap or on a table top, too. Includes duffel bag. The Rigamajig Jr. Kit consists of 160 parts total.
CAT# 5T-RG-160 – \$537.00

Rigamajig Basic Builder Kit 265 pcs



Rigamajig Basic Builder Kit is Ideal for classrooms, children's museums, and public libraries, the solid wood 2cm (3/4") thick planks range from 30- 110cm (12"- 44") in length. The Basic Builder Kit has 265 parts in total.
CAT# 5T-RG-263 – \$6452.00

Simple Machines Add-on Kit 78 pcs



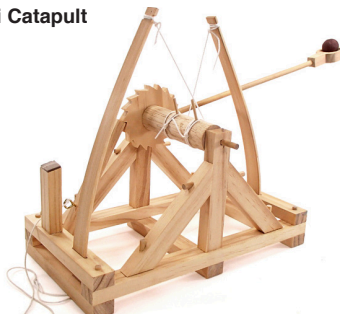
Rigamajig Simple Machines Kit includes: 78 parts total, including gears, levers, belts, cranks, axels and a wheel-pulley to expand the Basic Builder Kit.
CAT# 5T-RG-57 – \$2684.00



Da Vinci Bridge

The Leonardo Emergency Bridge is finally here! Designed to be set up and removed quickly by armies (Lego armies for this bridge). This is a simple kit, yet elegant in design, and one of his many designs.

CAT# 83-5400D29 – \$12.90

Da Vinci Catapult

While the Medieval catapult we made uses the force of twisted rope, this uses the tension stored in bent wood to hurl objects – usually over 15 feet. With no modifications you can experiment with flinging grapes, and those fun mini marshmallows too! A great way to introduce graphing for kids!

CAT# 83-5400D17 – \$20.50

Da Vinci Trebuchet

A great kit for beginner to intermediate model makers, this kit will throw a soft clay ball (included) well over 6 metres! Great for STEM programs and a rainy day – but it can be enjoyed on sunny or cloudy days!

CAT# 83-5400D32 – \$25.90

Da Vinci Helicopter

While it is often referred to as a helicopter, the premise of the lift to make it rise is more like Archimedes' screw than the rotors of a helicopter. Our model uses one of the bevel gears he drew in his codices and creates a nice 2 to 1 increase in speed of the crankshaft, so the mast spins quickly, illustrating the manner in which this machine would have worked. A great kit for beginner to advanced model makers, this is a great way to learn about gears, flight and brings Leonardo's iconic drawing to life. This is a great project that works well and looks really cool on the shelf!

CAT# 83-5400D19 – \$23.25

Da Vinci Ornithopter

This kit combines DaVinci's cool flying machine with one of his bevel gear designs to make a neat working model with flapping wings and a pilot with moving arms and legs. While it remains a mystery if his ornithopter design was ever fully made or tested at the time, there are many ideas (hanging in museums around the world!) of what it might have looked like, and we have added our ideas as well.

CAT# 83-5400D18 – \$37.95

Trebuchet Kit

This model is a tabletop working replica of a trebuchet made in the 13th Century. Standing 26 inches (67 cm) tall by 18 inches (48 cm wide) this model will shoot balls of plasticine (included) over 20 feet. Please be careful of what (or whom) you take aim on, this thing can really let loose. Model is pre-cut and each joint is drilled for super strong connection. Comes with a leather-like sling and some soft modelling clay for safe hurling. Has an excellent, easy to read and understand building manual with 19 clear illustrations.

CAT# 83-5400I01 – \$28.20

Swing Bridge Kits

Using a wooden bevel gear, the bridge swings open and closed, just like a real swing bridge. For ease of storage, the bridge ends can be removed easily and re-assembled again, since we use a simple, yet strong, slot construction. The kit only requires scissors, comes complete with stickers and signs for the road, easy to follow instructions and links to learn more about levers and bridges.

CAT# 83-50SWBR – \$21.85

Lift Bridge Kits

This bridge uses a small handle and crankshaft to lift the center span to the top of the truss structure, allowing trolls and other vehicles to safely pass between the two ends. The kit can be mostly made without glue and taken apart for storage. Snug slot construction and accurate cutting makes this possible! The kit only requires scissors, comes complete with stickers and signs for the road, easy to follow instructions and links to learn more about levers and bridges.

CAT# 83-50LFBK – \$19.85

Medieval Catapult

The catapult has a long and interesting history. It has been around in many forms, evolving since about 400 BC. This model is based on the medieval styles that were used during the middle ages. Standing 15 cm tall and 12 cm wide, this siege engine can shoot a plasticine ball over 15 feet! Adjustable pads on the crossbar allow you to change the trajectory angle. The rope, strung through the middle gives great power to the swing arm.

CAT# 83-5400231 – \$19.30

Birdhouse Kit

ADD AN ART COMPONENT BY PAINTING & DECORATING YOUR BIRDHOUSE!
SEE PASTEL PAINTS ON PAGE 37

Teachers, this is a great and affordable way to get your kids Building while creating something practical and at the same time beneficial for the environment. Perfect size for a chickadee or finch! Just grab some glue and you're off to the races! Add an art component and decorate these to your liking. Comes unpainted. Assembly required.
CAT# 19-3035-00 – \$6.30
2 or more – \$5.60

HOUSE FRAMING KIT

This 3/4" scale kit for a two bedroom home with a roof teaches sound wood frame construction in accordance with accepted building codes. The kit comes complete with Balsa wood, cutting tools, measuring tape, layout pencil, nails, custom miter fixture, instruction booklet, nine working drawings and a work base that doubles as a foundation for the completed model. All of the walls can be framed right on their patterns on the working drawings. The completed model includes a bathroom, kitchen, hallway, dining and living rooms. Foot pad - approx. 1-1/2'k x 2'k. Grades 6 - 12.

Hip Roof House Framing Kit

CAT# 83-541001C Hip Roof House Framing Kit – \$201.50

Truss Roof House Framing Kit

CAT# 83-541041C Truss Roof House Framing Kit – \$192.50

Basswood & Balsa Wood Sheets 6/pkg

CAT#	SIZE	WOOD	PRICE	2+
83-BW402	4" x 24" x 1/6"	Basswood	\$21.10	\$18.75
83-BW403	4" x 24" x 3/32"	Basswood	\$21.00	\$18.90
83-BW404	4" x 24" x 1/8"	Basswood	\$23.95	\$21.40
83-BW406	4" x 24" x 3/16"	Basswood	\$31.40	\$28.70
83-BW408	4" x 24" x 1/4"	Basswood	\$33.20	\$31.70
83-AW402	4" x 18" x 1/16"	Balsa Wood	\$12.55	\$11.15
83-AW403	4" x 18" x 3/32"	Balsa Wood	\$17.45	\$15.50
83-AW404	4" x 18" x 1/8"	Balsa Wood	\$18.00	\$16.00
83-AW406	4" X 18" X 3/8"	Balsa Wood	\$33.30	\$29.95

Basswood Building Strips

These architectural model builders wood can be used to build miniature houses and other buildings. They are sold 50/pkg and are 24" (61cm) in length.

CAT#	SIZE	REPRESENTS	1	2+
83-BW0412	4mm x 12mm	2' x 8' Joist	\$27.00	\$25.00
83-BW0409	4mm x 9mm	2' x 6' Joist	\$25.00	\$22.50
83-BW0406	4mm x 6mm	2' x 4' Joist	\$27.00	\$25.00

Bass Wood Strips 61 cm length (24") 100/Pkg

CAT#	SIZE	1	2-5	6+
83-BW058	5 mm x 8 mm (3/16" x 5/16")	\$49.70	\$48.25	\$45.60
83-BW0510	5 mm x 10 mm (3/16" x 3/8")	\$52.50	\$51.50	\$48.75
83-BW044	3 mm x 3 mm (1/8" x 1/8")	\$39.90	\$38.00	\$32.30
83-BW055	5 mm x 5 mm (3/16" x 3/16")	\$46.20	\$44.00	\$41.80
83-BW066	6 mm X 6 mm (1/4" x 1/4")	\$47.25	\$45.00	\$42.75
83-BW088	8 mm X 8 mm (5/16" x 5/16")	\$50.50	\$49.25	46.55
83-BW1010	10 mm x 10 mm (3/8" x 3/8")	\$52.00	\$50.50	\$47.45
83-BW1010H	10 mm x 10 mm x 40cm	\$35.55	\$34.55	\$32.55
83-BW1212	12mm x 12mm (1/2" x 1/2")	\$58.00	\$54.50	-

Balsa Wood Strips 61 cm length (24") 100/pkg

CAT#	SIZE	1	2-5	6+
83-AW044	3 mm x 3 mm (1/8" x 1/8")	\$41.95	\$37.30	-
83-AW055	5 mm x 5 mm (3/16" x 3/16")	\$51.50	\$48.10	\$38.95
83-AW066	6 mm X 6 mm (1/4" x 1/4")	\$60.00	\$57.00	\$48.55

Mug and Shaker Pegs 3 3/8" (9cm)
 with a 1/2" pin size

 Mug Pegs
 CAT# 70-2656-00

 Shaker Pegs
 CAT# 70-2655-00


QTY	PRICE
1	68¢
2-5	63¢
6-19	60¢
20-49	57¢
50+	53¢

Artstraws 40cm (16").

Artstraws are an ideal design and technology material. They are inexpensive, easy and fun to work with and very versatile. By using paper straws, rather than wood or metal, students can learn about the properties of the material and can more easily gain an understanding of basic mathematical and physical concepts (perimeter, area, tessellation, strength, rigidity, stress, stability and movement).

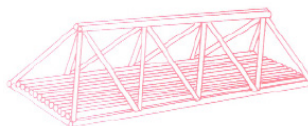
CAT# 83-1804-00 1800/box 4mm

CAT# 83-1806-00 900/box 6mm

1 Box – \$76.00

Quantity discount applies.

Free D & T Idea Pamphlet Included


CRAFTWOOD NEW
Craftwood Jumbo craft sticks


Great for use in classroom, party crafts and camp crafts. Natural raw wood. Ideal for Crafters, Teachers and Students. Includes 50 pieces of jumbo natural craft sticks.

CAT# 83-1595-00

6"x3/4", 50/pkg

CAT# 83-1597-00

7"x7/8", 25/pkg

1 pkg – \$2.15

2 or more – \$1.95

Craftwood cubes


Endless crafting possibilities. Unfinished wood. Great for kid's crafts, educational purposes and more. Includes 36-Pieces of natural colored cubes.

CAT# 70-2669-00

5/8" (15mm), 36/pkg

CAT# 70-2670-00

3/4" (20mm), 12/pkg

1 pkg – \$2.30

2 or more – \$2.05

Craftwood Natural dowel


Endless possibilities. Paint, stencil, stain or decorate. Natural raw wood. Includes 4 pieces of wood dowels.

CAT# 83-2006716

7/16"x12", 4/pkg

CAT# 83-2002532

5/32"x 6", 60/pkg

CAT# 83-2002018

1/8"x 4", 100/pkg

CAT# 83-2002016

1/16"x 7.75", 150/pkg

1 pkg – \$2.15

2 or more – \$1.95

Craftwood natural skill sticks
 4.5"x 3/8", 80/pkg


Great for use in classroom, party crafts and camp crafts. Natural raw wood. Ideal for Crafters, Teachers and Students. Includes 80 pieces of mini craft sticks. Great for building free standing structures.

CAT# 83-1593-00 – \$2.30

2 or more – \$2.05



Project Idea.

Crafty kids glitter glue sticks
 4", 12/pkg


Perfect for Arts and Crafts. Add sparkle to your projects. Provides a strong bond to woods, plastics, foams and paper based products. 12 piece pack come with 5 assorted colours.

CAT# 80-480-294 – \$2.30

2 or more – \$2.05

Craftwood Natural skill sticks


Get crafting with match sticks. Cut them glue them and color them to make fun arts and crafts projects for kids and adults. Add embellishments to complete your projects.

CAT# 83-1825-00

2", 750/pkg – \$2.15

2 or more – \$1.95

Balsa & Basswood Scrap Packs


Assorted strips, sheets and blocks of basswood or balsa wood bagged and ready for your project ideas. Each piece is approximately 9" (23 cm) and under.

CAT# 83-AWPKG

Balsawood – \$11.95

CAT# 83-BWPKG

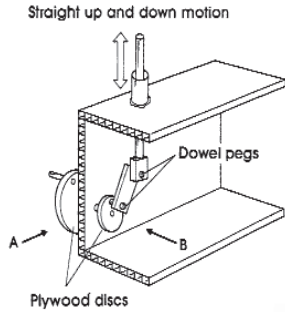
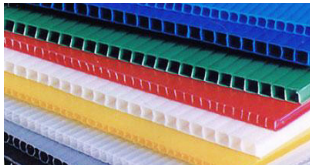
Basswood – \$7.20

2 or more – \$6.85

Corrugated Plastic

The name Coroplast applies to a wide range of extruded twinwall plastic sheet products produced from a high impact polypropylene copolymer. This corrugated plastic sheeting is excellent for making small science projects. It is light, inexpensive and easy to use. The sheets are 4mm thick in panels of 24" x 32".

CAT#	COLOUR	PRICE
80-1247-00	Black	\$6.15
80-1227-00	Blue	\$6.15
80-1222-00	Green	\$6.15
80-1201-00	Natural	\$6.15
80-1212-00	Red	\$6.15
80-1232-00	Yellow	\$6.15
80-1203-00	White	\$5.85
80-54-1200	7 Assorted	\$35.50



Project Idea from Rainbow Technology Book
CAT# 80-5739-00

Foam Board 5/pkg
20"x30"x3/16" (50x76x0.5cm)



80-54-1250
30 Assorted Sheets – \$63.00

CAT#	COLOUR
80-1250-BK	Black
80-1250-BU	Blue
80-1250-YE	Yellow
80-1250-GR	Green
80-1250-RD	Red

QTY	PRICE
1	\$15.20
2-5	\$13.50
6+	\$11.80

Hardwood Dowels 2' (61 cm)

If you drill a 3/8" hole, 3/8" dowel will squeak into it, not fall through it. This goes for all sizes. You can always make a tight dowel loose. It is hard to go the other way.



CAT#	DIAMETER	PKG	1	2-5	6-19	20-49	50+
83-2002-02	1/8" (3 mm)	8	\$4.40	\$4.15	\$3.85	\$3.60	\$3.30
83-2002B02	5/32" (4mm)	8	\$4.55	\$4.30	\$4.00	\$3.70	\$3.40
83-2003-02	3/16" (5 mm)	8	\$5.00	\$4.70	\$4.60	\$4.05	-
83-2004-02	1/4" (6 mm)	8	\$5.35	\$4.95	\$4.75	\$4.50	-
83-2005-02	5/16" (8 mm)	8	\$6.30	\$5.85	\$5.55	-	-
83-2006-02	3/8" (10 mm)	4	\$5.05	\$4.50	\$4.20	\$3.90	\$3.60
83-2008-02	1/2" (13 mm)	4	\$5.95	\$5.45	\$5.00	\$4.50	\$4.00
83-2009-02	5/8" (16 mm)	2	\$4.10	\$3.70	\$3.30	-	-
83-2010-02	3/4" (19 mm)	2	\$3.85	\$3.50	\$3.15	-	-
83-2011-02	1" (25 mm)	2	\$5.85	\$5.45	-	-	-
83-2013-02	1 1/4" (25 mm)	2	\$11.20	\$10.45	-	-	-

(3mm acrylic rod see page 53)

Balsa & Basswood Scrap Packs



Assorted strips, sheets and blocks of basswood or balsa wood bagged and ready for your project ideas. Each piece is approximately 9" (23 cm) and under.
CAT# 83-AWPKG
Balsawood – \$11.95

CAT# 83-BWPKG
Basswood – \$7.20
2 or more – \$6.85

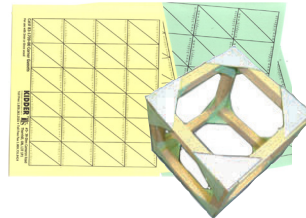
Assorted Wooden Dowels

72 pcs - 1/8 to 1/4"



This package include:
16 x 1/8 x 24" dowels
24 x 5/32 (4mm) x 16" dowels
16 x 3/16" x 24" dowels
16 x 1/4" x 24" dowels
The perfect assorted hardwood dowel pack for your MakerSpace!
Use these dowels for your transportation, construction, bridge building, hydraulics/ pneumatics unit.
CAT# 83-54-2005 – \$35.95
2 or more – \$33.50

Corner Gussets



Preprinted sheets to cut your own cardboard corners or gussets. Designed to fit the Lynx jointers and 10mm wood.
CAT# 83-1707-00
1500pkg, 10mm – \$10.50
CAT# 83-1709-00
2000/pkg, 8mm – \$10.50

Wooden Paddles 500/pkg



Wood Paddles 6" X 3/4"
CAT# 34-54-1013 – \$12.80

Popsicle Sticks 1000/pkg

4 3/8" x 3/8"



CAT# 83-1600-00 – \$4.65
see craft sticks idea book Pg.54

Wood Skewers 100/pkg



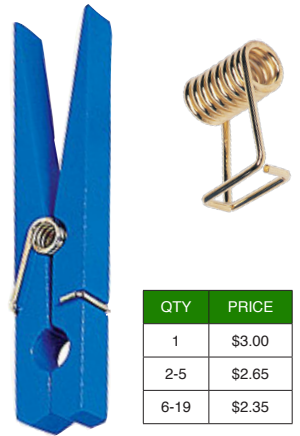
These 2.5mm wood sticks can be used as axles in many projects. They are 12" long.
CAT# 83-2001-00 – \$2.30
2 - 5 – \$2.00
6 or more – \$1.85

Brass Fasteners 25/pkg



Handy for making switches, fastening sheet materials, or making levers with tongue depressors or popsicle sticks.
CAT# 83-1620-00 – \$1.93

Giant Clothes Pin Spring



* Project Ideas *

Make a giant clip with this brass spring.
It measures 2"x 1 5/16" x 3/4".
CAT# 80-4240-00

QTY	PRICE
1	\$3.00
2-5	\$2.65
6-19	\$2.35

Wonderfoam 40/pkg



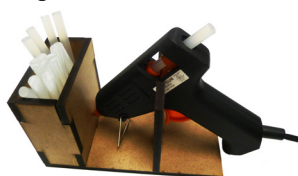
Variety pack includes 40 5.5" x 8.5" sheets in assorted colors.
CAT# 83-1862-00 – \$14.00

Glue Gun Holders

NEW

Keep your MakerSpace stations clean, safe and organized with Kidders NEW 4 Slot and Single slot Glue Gun Holders! No more burn marks on your desk or slob of glue stuck to your table. These glue gun holders will also ensure a safer and neater gluing environment especially when using a higher temperature glue gun. Requires simple assembly. Glue guns and glue not included.

Single Slot Holder



CAT# 83-1159-00 – \$12.65
6 or more – \$10.45

4 Slot Holder



CAT# 83-1159-04 – \$17.90

Heavy Duty Glue Gun



This heavy duty glue gun uses 3/8" glue sticks. It is ideal for general repairs and light industry. It is 120V with 80 watts.
CAT# 80-480-208

QTY	PRICE
1	\$27.60
2-5	\$26.30
6+	\$25.00

Economy Glue Gun



This economical mini glue gun is perfect for small craft projects. It uses 5/16" glue sticks. It is 110v with 10watts.
CAT# 80-480-210

QTY	PRICE
1	\$8.05
2-5	\$7.55
6 - 19	\$7.10
20+	\$6.60

Medium Duty Glue Gun



This medium duty glue gun uses 3/8" glue sticks. It is 120V with 40 watts. Includes two glue sticks.
CAT# 80-480-209 – \$11.70
2 or more – \$10.50

Low Temp Glue Gun



This UL approved low temp glue gun melts glue at 220°F for safer use by supervised young children. Includes three glue sticks. Uses 5/16" glue sticks. For elementary students use.
CAT# 80-480-244

QTY	PRICE
1	\$8.70
2-19	\$7.85
20+	\$6.95

Glue Sticks



For Heavy Duty Glue Gun.
10" x 3/8", 10/pkg
CAT# 80-4804580 – \$5.95
6 or more – \$4.40
BULK 180/pkg
CAT# 80-4854580 – \$42.60

For economy and Low Temp Glue Guns 4" x 5/16" 50/pkg
CAT# 80-4804450 – \$5.40
BULK 500/pkg
CAT# 80-4854450 – \$37.95

Glue Cups 10/pkg



Distribute small amounts of glue to students with these handy glue holders. They come with a lid to keep glue fresh.
CAT# 83-1165-00 – \$1.25

Velcro Buttons 12/pkg



Self-adhesive

CAT# 83-1715BUT – \$1.77

Contact Cement 30ml



This all purpose bonding cement works with metal, plastic, wood, leather, glass and many other surfaces.
CAT# 83-1758-00 – \$1.58

Masking Tape



18mm x 55m (0.71" x 60 yds)
CAT# 83-1712-00 – \$2.45

Double Sided Sticky Tape



1/2" - 12mm x 20m
CAT# 83-1711-00 – \$2.25

Double Sided Foam Tape



1/2" - 19mm x 4.88m
CAT# 83-1713-00 – \$2.70

Duct Tape 2"x 10yds



CAT# 83-1726-00 – \$2.15

Black Electrical Tape 66 ft



CAT# 83-1721-00 – \$1.68

Green Painters masking Tape



36mm x 30m
CAT# 83-1728-00 – \$3.40

Superjet Glue

This is a thickened instant glue which bonds in 3-10 seconds. It is ideal for building wood structures. Use with caution.
CAT# 83-1764-00
1/2 OZ – \$7.35
CAT# 83-1765-00
1 OZ – \$11.55



Carpenter's Wood Glue

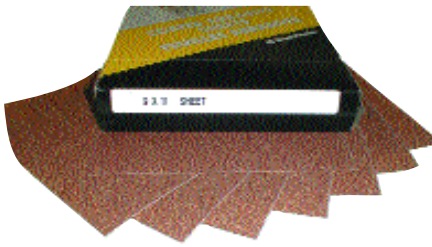


A non-toxic wood glue for design and make activities. Only a small amount is required.
83-1754-00 3.75L – \$50.50



83-1752-00 475ML – \$11.80
83-1748-00 120ML – \$4.45

Alumide & wet and dry sand paper



CAT#	GRIT	DESCRIPTION	PRICE
80-2817-12	50D	ALUMIDE	\$31.25
80-2817-14	80D	ALUMIDE	\$35.30
80-2817-09	100C	ALUMIDE	\$31.25
80-2817-03	120A	ALUMIDE	\$32.60
80-2817-05	180A	ALUMIDE	\$31.25
80-2817-06	220A	ALUMIDE	\$32.60
80-2818-01	220A	SILICON WATERPROOF PAPER	\$59.00
80-2818-04	320A	SILICON WATERPROOF PAPER	\$59.00
80-2818-06	400A	SILICON WATERPROOF PAPER	\$59.00
80-2818-08	600A	SILICON WATERPROOF PAPER	\$59.00

200 Spring Assortment



A whole variety of Extended and Compressed Springs available in this compact, plastic organizer box.
CAT# 19-20-SPR – \$12.25

Measuring Tape



10' (120") 5/8" wide
CAT# 83-1114-50 – \$3.95
 2 or more – \$3.50

Digital Calipers



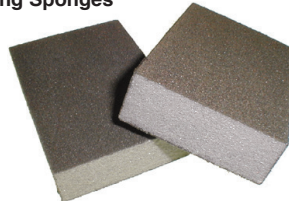
Our digital caliper quickly displays your measurements in easy-to-see LCD numerals. It measures insides, outsides, depths and steps up to 6 inches with a resolution of .0005 inch or .01mm. 'Zero' button lets you take '2-step' measurements without calculations; another button instantly converts inches to millimeters and back again. Includes battery, instructions and foam-lined case.
CAT# 83-1149-95 – \$35.30

Crepe Abrasive Cleaner



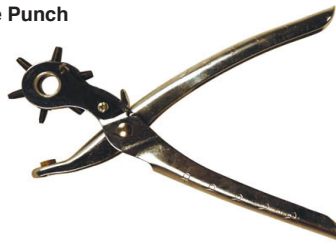
This abrasive belt and disc cleaner, made from crepe, can triple the life of your sandpaper. When it is held against a belt or disc while in motion, it will strip out accumulated dust fibre. The block is 8"x1.5"x1.5" (20x5x5cm) in size.
CAT# 80-2800-00 – \$12.00

Sanding Sponges



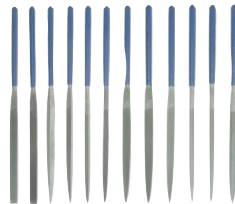
This flexible sanding sponge is ideal for corners and contoured surfaces. To clean just rinse with soap and water and reuse.
CAT# 80-2804-00 Fine-Medium
CAT# 80-2805-00 Medium Course
 1pc – \$3.00
 2 - 5pcs – \$2.85
 6 or more – \$2.70

Hole Punch



Ideal for use in puncturing corrugated plastic, cardstock material, paper and even leather.
 Case quantity (inner/outer): 24/144
CAT# 83-1130-00 – \$7.20

Needle Files 160mm



These well made needle files are a nice addition to any tool box. Each file has a nylon handle. These handy needle files come 12 per package in a folding pouch.
CAT# 80-3008-00 – \$12.15

Cable Ties 100/pkg



8" cable ties
CAT# 83-1717-00 – \$4.95



Hobby File



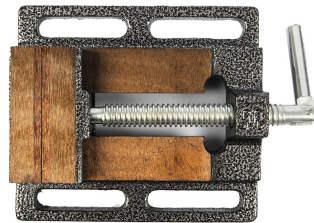
This File has rasp cut for rough filing of wood, plywood and soft plastics and double cut for filing hard plastic, steel and formica. This is our best multi-purpose file. The length is 8" (20 cm).
CAT# 50-152 – \$20.15

Metal Ruler 12"



This ruler is handy when using an x-acto knife. A cutting mat may also be useful. It has measurements in both imperial and metric.
CAT# 83-1149-75 – \$3.00

Drill Press Vice



A vice to hold gears or wheels while drilling. Also fits onto a small drill press to hold items while drilling.
CAT# 83-1116-00 – \$32.40

Rotational Vice



This rotational vice is great for holding objects so that you can work on them at any angle. (clamps to any table)
CAT# 83-1117-00 – \$32.80

C Clamp



A variety of clamps to hold materials when cutting and drilling.
CAT# 83-1150-80 2" – \$5.90
CAT# 83-1151-00 3" – \$6.80
CAT# 83-1153-00 4" – \$9.70

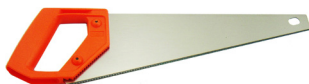
Ratcheting Clamp



CAT# 83-1152-77 9" – \$7.80

SAWS/HACKSAWS

Sandvik Saw



16 pt 14" Saw
CAT# 50-300 – \$25.50

Handsaw w/ Mitre 45/90 set



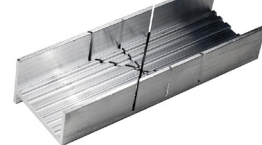
The mitre box is made from high impact plastic with tight fitting saw support slots that provide extremely accurate mitre cuts. The mitre box features precise cutting angles of 45 left, 90 centre, 45 right and 45 bevel cut.
CAT# 50-234 – \$19.10

Razor Saw



Small Razor Saw Set
CAT# 50-55001 – \$13.30

Mitre Box



Mitre box made of aluminum.
CAT# 50-55665 \$17.10

Basic hacksaw



Basic hack saw with a plastic handle.
CAT# 50-235 – \$8.65

Hacksaw Blades

Medium, 10/pkg

CAT# 50-237 – \$4.95

Coping Saw



This professional quality coping saw has a sturdy steel frame. Blade tension is achieved by turning the wood handle. Easily adjustable blade fixtures and an extra narrow specially hardened blade are among the features. The blade has 5 points per inch.
CAT# 50-301 – \$27.50

Replacement Blades 5/pkg



CAT# 50-303 – \$7.10

Auto Retractable Utility Knife



This safety knife has a auto retracting blade and a rubberized handle to ensure added safety when not being handled. It includes one blade.
CAT# 83-1110-AR – \$12.75

Kidder-Kutter Mini



Great for smaller hands. Like the Kidder Kutter, but without the adjustable fence.
CAT# 83-1126-SM – \$23.80

Kidder-Kutter Hand Mitre



A fast and accurate way for cutting small wood strips to length. This tool is easy to use, with a convenient die-cast aluminum angle plate and an adjustable fence. It eliminates the need for expensive power tools. It has an adjustable fence.
CAT# 83-1126-00 – \$35.90

Replacement Blade



Hand Mitre
CAT# 83-1127-00 – \$12.05
Hand Mitre Mini
CAT# 83-1127-SM – \$11.40

Double Sided Bench Hook Mitre Box



Quantity discounts available!

With a slot on one side for either 5mm or 8mm wood and the other for 10mm, these bench hooks are suitable for both left and right handed children.

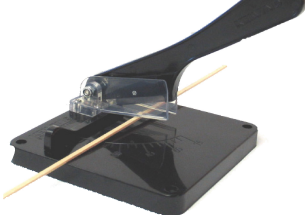
CAT# 83-1155-00
13" x 8" (10mm/8mm) – \$23.10
CAT# 83-1158-00
13" x 8" (10mm/10mm) – \$23.10
CAT# 83-1150-00
6" x 6" (10mm/8mm) – \$9.90
CAT# 83-1150-10
6" x 6" (10mm/10mm) – \$9.90

Kleever Excel Safety Cutter 5/pkg



This Kleever Excel Cutter is ideal for any MakerSpace to ensure optimal safety while cutting cardboard, coroplast, string etc. It reduces cut injuries, dual hook design lasts long, high visibility color makes it easy to find in cluttered work environments.
CAT# MD-KCJ-1 – \$24.30
6 or more – \$19.85

Stick Cutter



This unit easily cuts balsa and up to 1/8" basswood. The clear plastic shield protects the fingers. The base has 4 corner holes for mounting and a built-in protractor for angle position. The guide moves on the protractor to cut angles easily. The unit is 4 1/2" x 4 1/2" in size.
CAT# 50-105 – \$18.40
Replacement Blades
CAT# 50-105-RB – \$6.20

Hot Wire Handheld Foam Cutter

NEW



The Hot Wire Foam Cutter makes clean, precise cuts, adjusts for angled cuts and cuts a path 4 1/2 in w x 6 in d (11.4 cm x 15.2 cm). Use straight-rod option to cut in tight places and for faster cuts. straight rod cuts a path of 3 1/2" x 6" (8.89 cm x 15.2 cm). Cutter heats instantly and leaves no mess. Perfect for cutting your styrofoam boat hulls or model airplane wings.
CAT# 80481435-6 – \$79.00

Safety Snips



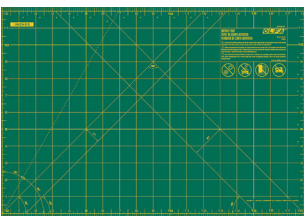
Useful snips for card, coroplast and even electrical wire. These snips are sharp and have a safety catch.
CAT# 83-1142-00 – \$14.95

Table Top Cover



This hardwood table top protector keeps your work station clean and scratch free. Glue is easily removed. It is 14" x 22.5" x 1/8".
CAT# 83-1168-00 – \$4.05
2 or more – \$3.70

Cutting Mat



If your projects require cutting thin materials by knife, you will enjoy cutting on these mats. Their self-healing properties allow them to be used over and over without apparent damage caused by the knife. Your knife will remain sharp longer and you'll never work on a lumpy surface again.
CAT# 83-1108-SM – \$12.90
2 or more – \$11.30
Printed with a 1cm reference grid.
12" x 18" (30cm x 45cm)
CAT# 83-1108-00 – \$17.95
Printed with a 1cm reference grid.
24" x 17" (60cm x 43cm)

Vertical Drill



A general purpose double pinion drill with a plastic back handle, with easy grip feature and plated three jaw chuck. Chuck capacity 8mm - 3/8".

CAT# 83-1131-00 – \$43.10

Fiskar's Hand Drill



An ergonomically designed handle fits securely and comfortably in the palm of your hand for prolonged use without fatigue. This hand drill is especially handy for use with the fine drill bits used in bookbinding. Includes easily interchangeable drill bits, sizes 3/32", 1/8", 5/32" and 3/16". Perfect for crafts persons, students, or teachers.

CAT# 83-1133FSK – \$39.75

Drill Bits



This set includes 13 drill bits from 1/16" up to 1/4". Use with hand drill above or the cordless drill.

CAT# 83-1132-00 – \$7.65

Cordless Compact Drill



This drill comes with a charging base, AC adaptor, four double ended screwdriver bits, and instruction manual.

- 18 V
- 3/8" keyless chuck
- forward reverse switch
- lightweight, ergonomic design
- 2-speeds, 200-500 RPMs
- charging base

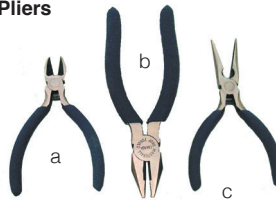
CAT# 83-1113-00 – \$61.83

High Speed Steel Drill Bits 5/pkg



CAT# 83-1134-01
1/16" HSS Bit – \$4.40
CAT# 83-1134-03
3mm (1/8") HSS Bit – \$3.90
CAT# 83-1134-04
4MM (5/32") HSS Bit – \$4.40
CAT# 83-1134-05
5mm (3/16") HSS Bit – \$4.30

Pliers



a. CAT# 83-1141-00 – \$5.90
Pliers with a cutting edge for wire.
b. CAT# 83-1140-00 – \$5.10
Sturdy general purpose plier for wire or gripping.
c. CAT# 83-1139-00 – \$6.35
These pliers have long flat noses for hard to reach places.

Basswood Jointer 10/pkg



Designed to hold wooden strips at right-angles and 45 degrees.

CAT#83-3008-00
8mm wood – \$37.00
CAT#83-3001-00
10mm wood – \$37.00

Heavy Duty Hole Punch



This heavy duty hole punch can pierce up to 16 gauge metal. It comes with 7 punches and dies. The one hand operation creates 1 ton of pressure. Holes sizes are 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" and 9/32".

CAT# 83-1128/30 – \$60.00

Nail Guide



This tool puts an end to all that. Working like tweezers, the nail is held between the jaws under tension so it can't get away.

CAT# 83-1410-00 – \$2.20
2 or more – \$1.75

Spring Hammered Centre Punch



No hammer required.
CAT# 83-1101-75 – \$14.00

Assorted Nails 220pcs

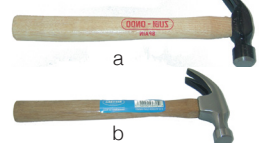


Assorted common use nails.
CAT# 19-54NAILS – \$3.20

Finishing Nails 1.5"

CAT# 19-20-590 – \$2.95

Hammers



A wooden claw hammer to be used by more advanced students.
a. CAT# 83-1105-00 16oz – \$10.10
b. CAT# 83-1104-00 8oz – \$8.80

Adjustable Wrench 6"



A lightweight adjustable wrench that is a useful tool to have.
CAT# 83-1144-00 – \$5.90

Manual Hand Drill



The pistol design of this drill with fully enclosed gears make it particularly suited for use in educational facilities. This model features bit storage in handle and a three jaw chuck. Chuck capacity 8mm - 3/8".

CAT# 83-1133-00 – \$31.95

Replacement Chuck Only

Only for drill



CAT# 83-1133-CK – \$9.55

Screwdriver Set

9 pcs/set.



Hardened and tempered carbon steel blades.
CAT# 83-1143-00 – \$15.40
2 or more – 14.25

Self Tap Pan Screws

100/pkg



#10 x3/4" Self Tap Pan Screws for bugs.
CAT# 9T-182365 – \$4.60

Self Tap Screws

100/pkg



#10X3/8" Self Tap Screws.
CAT# 9T-182391 – \$4.35

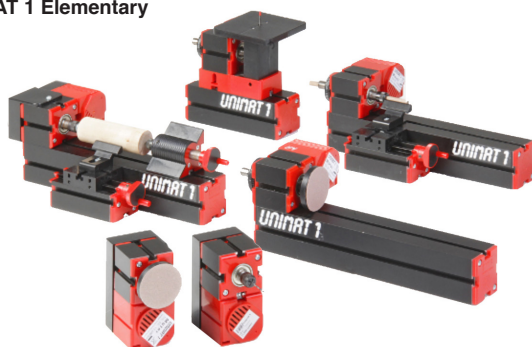
Single Hole Punch



These quality single hole punches great for home, craft, or school use. They have a 1 inch reach for easy positioning. They have a 10 sheet capacity. The all metal construction with metal receptacle provides durable and easy use. They are available in 1/4" or 3/16".
CAT# 83-1119-00 1/4" round hole
CAT# 83-1122-00 3/16" round hole
\$4.75



UNIMAT 1 Elementary



Perfect for makerspaces! This safe and inspiring set contains all the parts to build one out of these real-working machines: wood turning lathe, jigsaw (the world's only child-friendly jigsaw; for plywood up to 7 mm thick, plastic or soft metal sheets), stationary sander (can also sharpen tools), and hand drill (for drill bits 1-6 mm) or hand sander. Also includes a safety adaptor 12V/100-240V, chisel, tools, 2nd sanding disc, safety glasses, 10 saw blades, lesson plans, documented projects, and more in a storage box.

CAT# U-16100EDB – \$546.00

PLAYmake 4 in 1 workshop



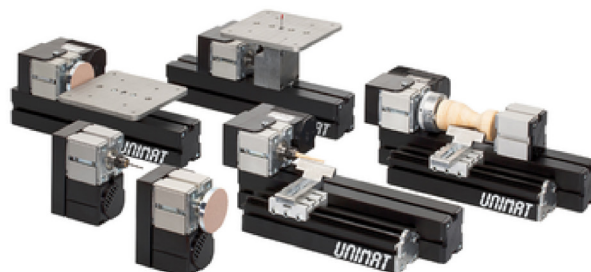
PLAYmake is a fully functioning wood-crafting workshop developed for the youngest Do-It-Yourselfers. With PLAYmake woodturning, sawing, drilling, and sanding become child's play. Creativity and technical understanding are encouraged. The PLAYmake machines are similar to big machine tools (machine bed, slides, drilling table etc.).

Thus, the little carpenters can learn how industrial machines really work in a safe and playful way. The PLAYmake kit contains all the necessary components to easily assemble the following four different, fully functioning, machines. The well designed modular system makes switching from one tool to the next a simple task.

CAT# U-801200 – \$181.50



UNIMAT ML Design and Technology



All machines of the Unimat ML Design & Technology kit are child friendly. The ML design makes the machine variants suitable for intensive usage (e.g. in science centres, hands-on museums etc). Included in the kit are the components for a jigsaw, for variations of wood turning machines (incl 3-jaw chuck), for a hand held sander or a stationary sander and for a hand held drilling machine.

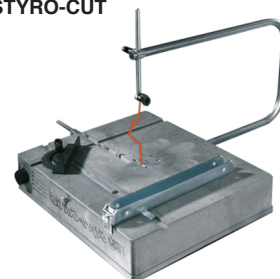
Due to the short stroke of the jigsaw blade, the fingers of a young carpenter cannot be injured. The precise metal guide with the sanded steel tappet guides the saw blades exactly and therefore allows for a professional and clean cuts in various materials. Plywood, solid wood (up to 7mm), balsa (up to 20mm), plastics and soft metal sheets.

No annoying opening and clamping of the jigsaw blade when cutting windows and holes. Alternatively 2 different blade dimensions can be used. With distance between centers of 140mm and up to 50mm diameter this machine offers a wide range of possible applications. Round materials can be chucked easily with the included 3-jaw chuck. Ideal for the material packs salt/pepper shaker, egg-cup etc.

The machines can be applied in school versatily. In addition we offer comprehensively documented projects like wooden pens, salt and pepper shakers or egg cups. Furthermore lesson plans with theory-exercises those impart knowledge about machines and techniques are available.

CAT# U-16150EDB – \$915.00

STYRO-CUT



STYRO-CUT 3D is a new kind of hot wire cutting machine, simple but robust, for the thermal treatment of Styrofoam and similar synthetic materials. With STYRO-CUT 3D a common steel wire is bent and heated up to 850 degrees Celsius allowing you to make cuts in any profile.

CAT# U-9001AA – \$313.00



Educational Maker Spaces are the ideal environment for maker education. The maker movement in education is built upon the foundation of constructionism, which is the philosophy of hands-on-learning through building things. Kidder has created a MakerSpace kit for your Primary, Junior and Intermediate grade levels that are perfect for your schools that do not have a designated shop class for building and construction!

PRIMARY



CAT# 80-54MS-PR – \$288.00

JUNIOR



CAT# 80-54MS-JR – \$393.00

INTERMEDIATE



CAT# 80-54MS-IN – \$348.00

If you are at the board level and are interested in purchasing these kits for a large number of schools under your authority or if you are interested in creating your own kit with tools of your choice please contact info@kidder.ca for a quote. Refer to our website for materials and tools list for each kit.

Maker Future City Kit

NEW



This kit is perfectly designed to get your students started in basic engineering! It comes with a solid MDF board so that you can spare your desks from getting marked up in the process. A well built hacksaw paired with your double sided, wooden miter board (bench hook) with C-clamps to fasten them down. Use the robust and non-electric pistol grip hand-drill to pop a couple of holes in your jinxwood. And don't forget your safety glasses! Put your students in groups, add some jinxwood (basswood) and let the kids tinker & build a house, car, garage, eco-system - you name it.
CAT# 83-54-KFC – \$67.50

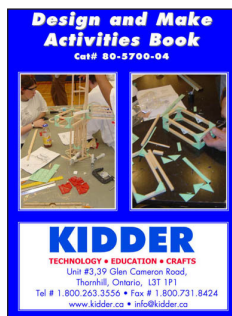
L2C STEM Start-up

NEW



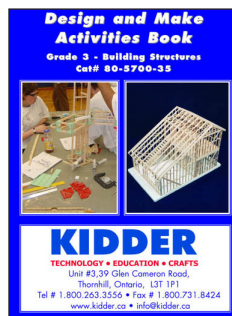
Kidder put this Start-up MakerSpace kit together as a response to multiple teachers asking for an affordable, no nonsense, Maker kit that can help to get the wheels turning for the promotion of TINKERING and STEAM education. With a variety of tools and materials feel free to start building a house frame, pulley/gear driven car or even a hydraulic arm! Head to kidder.ca to see the vast materials list that this kit entails.
CAT# 83-54-L2C – \$65.00
6 or more – \$60.00

Design and Make Activities



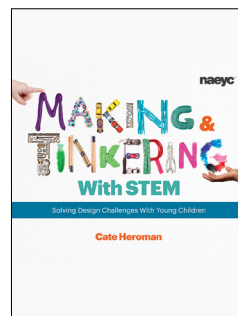
A photocopiable resource that contains 12 indexed sections to cover Science and Technology design and make project work. Full of ideas, challenges and hints and tips. Subjects covered include levers, electricity, hydraulic, simple machines, alternative energy and much more.
CAT# 80-5700-04 – \$39.70

Design and Make Activities Book Building Structures



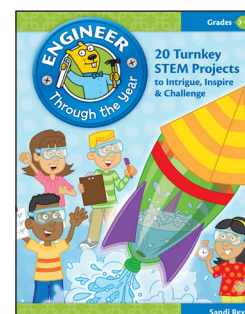
This book contains information on the safe use of tools, and an introduction to popular materials. There are many activities on building and testing strength design. It also includes many helpful techniques.
CAT# 80-5700-35 – \$19.90

Making and Tinkering with STEM



A fun, accessible approach to the maker movement! With 25 classroom-ready engineering design challenges inspired by children's favorite books, educators can seamlessly integrate making and tinkering and STEM concepts (science, technology, engineering, and mathematics) in preschool through third grade classrooms.
CAT# 80-5707-00 – \$37.25

Engineer Through the Year



20 Turnkey S.T.E.M. Projects to Intrigue, Inspire and Challenge. Is it possible to develop basic engineering skills as early as grades 3-5 without adding to the existing curriculum? You bet! The exciting challenges in this book bring out children's natural curiosity. With Engineer through the Year, students build engineering skills all year long.
CAT# 80-5700-56 – \$35.70

MAKERS STEAM A-Frame on wheels with Tools



NOT EXACTLY AS ILLUSTRATED. COMPONENTS ON BOTH SIDE OF CART. SEE KIDDER.CA FOR LIST OF TOOLS AND COMPONENTS.

This Mobile STEAM Makers Cart is a must have for your schools and classroom! Organize and store your tools in perfect fashion to optimize your classrooms MakerSpace! This pegboard cart grants you the ability to move effortlessly between your classrooms and workspaces.

In addition to being easy to assemble, this four-tier shelving allows you to storehouse all your Maker consummables like basswood, coroplast, popsicle sticks etc. Furthermore, the cart dimensions (122cm - high, 81cm - long, 40cm - wide) create over 20 square feet of storage space. Assorted pegs included. See list of tools & consummables at kidder.ca. CAT# 83-1199M20 – \$1250.00

A-Frame on wheels, Cart Only (includes bins, holders and pegs)
CAT# 83-1199M95 – \$541.00

A-Frame on wheels, Cart Only (includes only pegs)
CAT# 83-1199M49 – \$446.00

Kidder Tech Cart 40"x22"



Teachers of students Kindergarten to Grade 3 and above. The perfect Mobile Maker/STEAM Cart has finally arrived for this specific age group. No more step stools or stands required for your primaries to reach the table top as this cart is the perfect height from the ground (26"). Accessibility is key for this age group to ensure optimal safety in your Maker environment. 4 Wheels and castors with lock and swivel make this cart ideal for mobility around your classroom or school.

There are four spacious drawers The robust, 2 foot square bamboo top is great for using your C-clamp, bench hook, mini hacksaw and other Kidder Maker Tools. This cart has been tried, tested and true in primary classes across Canada and the response has been incredible! Bamboo Top - 26" x 26". 26" high from floor, Drawer housing - 23"x 23". CAT# 83-11064DR – \$936.00
2 or more – \$785.00

152 Piece Mobile Tool Kit with Wood

This Mobile Maker Tool Kit is a must have for every classroom MakerSpace. This Stanley 24 Gallon Mobile Job Chest is filled with 152 tools, gears/pulleys and wood making it the perfect kit to implement Maker education in your school/classroom. CAT# 83-54-YRTK – \$525.00
2 or more – \$495.00



INCLUDES MOBILE 2 WHEEL CART.

This kit consist of:

- 4 x Junior Basic Hacksaws – CAT# 50-235
- 4 x Small Bench Hook 8 & 10mm – CAT# 83-1150-00
- 4 x Safety Goggles Clear – CAT# 80-3219-00
- 4 x Mini Glue Gun 110V, 10W – CAT# 80-480-210
- 1 x Basswood 10x10mmx61cm, 100/pkg – CAT# 83-BW1010
- 2 x Maple Dowel 3/16" x 24", 8/pkg – CAT# 83-2003-02
- 2 x Kidder Kutter with Adjustable Fence – CAT# 83-1126-00
- 1 x Solid Core Wire Kit 3 x 25; RLS – CAT# 80-350506Y
- 2 x 28pc Assorted Gears 3/16" Hole – CAT# 80-3570-00
- 2 x Pistol Grip Hand Drill – CAT# 83-1133-00
- 2 x 13 pc Drill Set 5/64 tp 1/4" – CAT# 83-1132-00
- 4 x C-Clamp 3" – CAT# 83-1151-00
- 1 x Pulleys - 10ea - 10,20,30,40mm – CAT# 80-3580-00
- 1 x Mobile 2 Wheel Cart 19x30x18" – CAT# 83-1172TC
- 4 x Mid-size claw hammer 8 oz – CAT# 83-1104-00
- 4 x Needle Nose 6" Pliers – CAT# 83-1139-00
- 1 x Stanley Mobile 2 Wheel Cart 19x30x18 – CAT# 83-1172TC

Kidder Mobile MakerSpace

This mobile tool kit can be locked and shipped around to different locations. The dimensions are 19" x 30" x 18" and is very sturdy. You can order tools and supplies including hands on manipulative material. CAT# 83-1172WS – \$480.00



TOOLS AND SUPPLIES ONLY. CART NOT INCLUDED.

Tools Included:

- 2 x Tape measure
- 3 x C-Clamps
- 2 x Screwdrivers
- 1 x Adjustable Wrench
- 1 x Diagonal Pliers
- 1 x Linesman Pliers
- 1 x Needle Nose Pliers
- 2 x Hammer
- 21 x 3pc Drill Bit Set
- 3 x Back Hacksaw
- 6 x Safety Goggles
- 5 x Mini Glue Guns
- 2 x Manual Hand Drill
- 1 x Paper Drill w/Cutter Sets
- 3 x Metal Rulers
- 3 x Safety Snips
- 1 x Wire Cutter
- 1 x Assorted Peg Hardware and hooks
- 1 x Kidder Kutter
- 3 x Small Bench Hook
- 1 x Wood Glue
- 1 x Large Bench Hook

- 1 x Multi Hole Punch
- 1 x Bundle of Basswood
- 1 x Gussets
- 1 x Rotational Vise
- 1 x Glue Sticks

Mobile Cart Only



CAT# 83-1172TC
\$148.50

Lab Coat



NEW

Made from 100% cotton. Ideal for your Maker-Spaces, science and tech labs!

CAT# 83-1903-00 Medium

CAT# 83-1905-00 Large

— \$44.00

Student Cotton Gloves

12 pairs/pkg



These light weight cotton work gloves are perfect for your MakerSpace to keep your "Maker hands" from getting injured. It is perfect for smaller hands.

CAT# 70-3416-00 — \$7.40

2 or more — \$7.00

Ear Plugs 200 pairs/pkg.



These ear plugs are made of tapered polyurethane.

CAT# 80-3225-00 — \$41.50

Glasses



These glasses have tough side shields, brow and nose bridge and one piece construction. They offer excellent comfort, strength and stability.

These glasses will fit over your average prescription lenses. CSA approved.

CAT# 80-3228-00

QTY	PRICE
1	\$4.95
2-5	\$3.95
6+	\$3.50

Vinyl Gloves 100/box



QTY	PRICE
1	\$9.95
2-5	\$8.45
6+	\$7.40

Vinyl gloves offer a high value, dependable for those allergic to natural latex. Appropriate for short term and routine tasks involving minimal stress, Alliance vinyl gloves offer excellent tactile sensitivity which is further enhanced by their smooth surface.

CAT# 70-3419-00 Large

CAT# 70-3420-00 Medium

CAT# 70-3421-00 Small

Small Aprons 12/pkg



These aprons are suitable for age 3 up. They are sold 12/pkg and come in an assortment of colours. They are ideal for arts or crafts and Tinkering!

CAT# 83-1914-00 — \$22.95

Denim Work Apron



Perfect to throw on over your clothes while working with wood, metal or plastic. Every Science & Tech Shop or class and MakerSpace should have a few of these Aprons handy! Great for Junior and Intermediate aged students.

CAT# 83-1915-00 — \$11.25

2 or more — \$9.75

Goggles



General purpose goggles are important when working with any equipment and a good safety feature to stress with students. The Adult goggles will fit over your average prescription lenses. CSA approved.

CAT#	SIZE	1	2-5	6-19	20+
80-3219-00	ADULT	\$3.65	\$3.35	\$3.15	\$2.85
80-3221-00	YOUTH	\$3.50	\$3.20	\$3.05	-

Lightweight Nitrile Gloves



QTY	PRICE
1	\$2.50
2-5	\$2.20
6+	\$1.95

The perfect gloves for your MakerSpace to ensure a safe cutting and building environment. 13-gauge seamless polyester knit provides ultimate dexterity and reduces hand fatigue. Black liner with grey palm hides the dirt and extends life.

CAT# 70-3428-LG Large

CAT# 70-3428-MD Medium

CAT# 70-3428-SM Small

First Aid Kit



Ontario regulation First Aid Kit.

6 to 15 Students.

CAT# 80-3224-00

\$69.50

Safety in Science & Technology



This resource is the result of a partnership with TDSB. If you want a single reference source for dealing with safety in the elementary classroom, this is the one for you.

CAT# 80-5711-00 — \$20.95

Dust Mask 50/pkg



These disposable mask are handy for the school and home workshop.

CAT# 80-3226-00 — \$12.95

Universal Safety Scissors



Great addition to your primary and junior makerspace stations! Cuts various types of materials, including clothing fabric, metal and metal/foam splints. Features heavy duty plastic handles and stainless steel blades. Length: 6 1/4"

CAT# 83-1145UPS — \$6.25

2 or more — \$5.95

Metal Thumb Tacks 150/pkg



CAT# 83-1628-00 – \$2.95

1" Brass Fasteners 25/pkg



CAT# 83-1620-00 – \$1.93
6 or more – \$1.58

Paper Clips 200/pkg



CAT# 83-1612-00 – \$1.63

Golf Practice Balls 9/pkg



CAT# 98-1124-00 – \$3.15
6 or more – \$2.50

Ping Pong Balls 4/pkg



CAT# 83-1225-00 – \$1.95

YOUR ON-LINE DOLLAR STORE

KIDDERAMA

"YOUR MAKERSPACE \$ STORE"

SEE WWW.KIDDER.CA FOR QUANTITY DISCOUNTS

Clear Acrylic 30cm Ruler



CAT# 83-1149-85 – \$1.95
6 or more – 99¢

Metal Safety Ruler 12"



CAT# 83-1149-75 – \$3.00
6 or more – \$2.85

Tape Measure 150cm



CAT# 83-1114-FL – \$1.81
2 or more – \$1.68

Foam Paint Brush Set 6/pkg



CAT# 70-3430-00 – \$1.95
6 or more – \$1.62

9" Balloons 24/pkg



CAT# 19-2025 – \$4.05
6 or more – \$3.25

Rubber Bands Assorted



CAT# 19-2021-00 – \$4.00

Cotton Twine



CAT# 19-20-551 – \$3.00
6-19 – \$2.25
20 or more – \$2.00

Collapsible Silicone Funnel



CAT# 19-1234 – \$2.20
6 or more – \$1.80

Flexible Straws

8"X3/16", 100/pkg



CAT# 19-1022LGF – \$1.85
6 or more – \$1.25

BBQ Lighter



CAT# 83-1665-00 – \$2.40
6-19 – \$1.75
20 or more – \$1.35

Plastic Beads Assorted 40gm



CAT# 83-1236-00 – \$1.93
2 or more – \$1.75

Construction Paper 100 sheets



CAT# 83-1257-00 – \$3.80
6 or more – \$2.75

Pipe Cleaners 40/pkg



CAT# 83-1601-00 – \$2.50
2 or more – \$2.25

Plastic Spoons 48/pkg



CAT# 83-1625-00 – \$3.40

Pencil Eraser 6/pkg



CAT# 83-1162-ER – \$1.50

Twist Tie Dispenser



CAT# 83-1704-00 – \$1.95

Tracing Paper Pad

9x12 - 40 pgs



CAT# 83-1621-00 – \$4.95

Wood Toothpicks 150/pkg



CAT# 83-2020-00 – \$1.50
6 or more – \$1.20

Acrylic Paints 10/pkg



CAT# 70-3515-00 – \$4.35
6 or more – \$3.95

Hook & Loop Fasteners 12/pkg



CAT# 83-1715BUT – \$1.77

Plastic Cups 20/pkg, 9 oz



CAT# 19-1229 – \$2.50
6 or more – \$2.05

Double Sided Tape

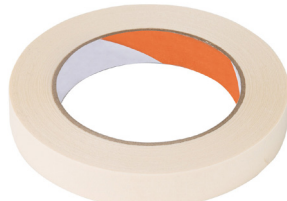
12mmx20m



CAT# 83-1711-00 – \$2.25

Masking Tape 3/4"

general purpose



CAT# 83-1712-00 – \$2.45
2 or more – \$2.25

Double Sided Foam Tape



CAT# 83-1713-00 – \$2.70

Paint Brush 1.5", 6/pkg



CAT# 70-3424-00 – \$6.75

Bamboo Skewers 9", 100/pkg



CAT# 83-2001-00 – \$2.30
6 or more – \$1.85

YOUR ON-LINE DOLLAR STORE

KIDDERAMA

"YOUR MAKERSPACE \$ STORE"

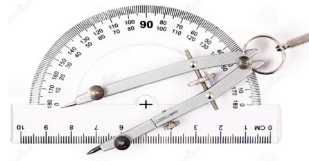
SEE WWW.KIDDER.CA FOR QUANTITY DISCOUNTS

Hook & Loop 3/4"x96"



CAT# 83-1716-00 – \$17.55
2 or more – \$15.60

Geometry Compass Set



CAT# 83-1840-00 – \$2.60
6 or more – \$2.15

Contact Cement Tube 1.5 oz



CAT# 83-1758-00 – \$1.58

Wooden Clothes Pins 24/pkg



CAT# 83-2015-00 – \$3.55

Modelling Clay 12 colours



CAT# 80-1271-00 – \$1.90
6 or more – \$1.40

Glass Marbles 100/pkg



CAT# 98-1160-00 – \$2.50
6 or more – \$2.05

3X Magnifier 4"



CAT# B-14-229 – \$2.20
2 or more – \$2.00

Round Glass Mirror 6", 3/pkg



CAT# B-14-289 – \$3.40

Square Glass Mirror 6", 3/pkg



CAT# B-14-290 – \$3.40

LED Flashlight with Lanyard



CAT# B-14-5405 – \$3.75
6-19 – \$3.40
20 or more – \$2.95

Mini Hydraulic 4 in 1Kit



This kits teach kids about simple machines and hydraulics. Using small syringes, the models move and work in a similar fashion that is seen in the big machines. Each kit can be built in an hour. They are high quality kits made of natural untreated wood. Builders only need scissors and a ruler. Real wood, pegged together, makes for strong joints!

CAT# 83-5404-04 – \$42.05

2-5 Kits – \$37.40

4 in 1 Kit Includes

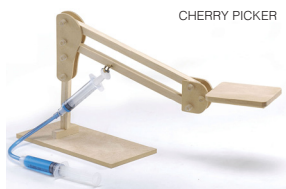
PLATFORM LIFTER



EXCAVATOR



CHERRY PICKER



SCISSOR LIFT



STEM Hydraulics Maker Set



Our first reusable set of materials, this STEM Hydraulics Maker Set is a great resource for Science Centers, Museum programs, Maker Spaces and Tinkerer Labs. The Maker Set has 35 bases and enough material for 30 to 50 students to make a huge variety of machines from simple lifting machines to very complex robotic arms, allowing you to use the Set over a wide range of ages, from 6 to 60.

Great for family drop-in maker spaces, or for school and engineering outreach programs, this intuitive set is an easy way to deliver engineering, simple machines, bridges and many other curriculum outcomes to the science center and engineering outreach programs. It can be used with classes that last between 30 minutes to 2 hours, for groups that may include library spaces, Girl Guides or Scouts group programs.

Designed in collaboration with a cool Science Museum in California, this has been field tested and is now being used in Maker spaces. A great low-tech but open-ended program that will provide a deliverable program for many years!

CAT#83-54HYDST – \$950.00

Deluxe Hydraulic Class Pack



This pack includes enough material to make at least 15 machines for 30 students and includes a teacher's information booklet with great lesson plans and ideas. All pages can be photocopied.

Perfect for use in studies of:

- levers and simple machines
- design and technology units
- engineering and invention units
- fluid studies
- science fair activities
- engineering Design Process units

CAT# 83-50HYCP – \$265.00

2 or more – \$238.00

Robotic Arm



This robotic arm is an easy to make 3 dimensional model that grabs, lifts items horizontally, and can turn very close to 90 degrees! Designed to be used alone (with a nice syringe holder), or in a group - each person using one syringe. A great way to learn about Robotics, Levers and Simple Machines, Fluid dynamics, Engineering, and Invention, and Design and Technology.

CAT# 83-50RBARM – \$24.75

Hydraulic Gearbot

NEW

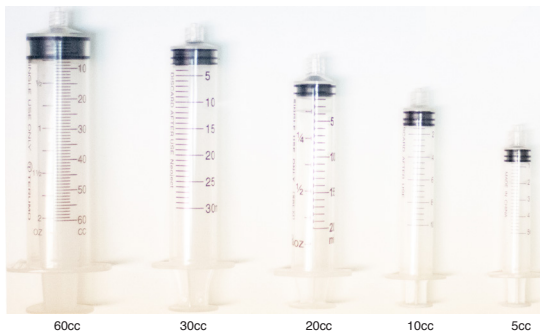


Hydraulic Gearbots are not all that common, but the fun thing about this one is that it is relatively easy to make and will amaze your friends. "2016 Toy of the Year"- for building kits by Creative Child Magazine!

CAT# 83-5400D39 – \$26.70

See kiddr.ca for quantity pricing

Syringes Luer lock, 5/pkg



CAT#	SIZE	PKG	2-5	6-19	20-49	50+
83-5004-00	5CC	\$2.45	\$2.20	\$1.94	\$1.84	\$1.70
83-5010-00	10CC	\$3.00	\$2.70	\$2.40	\$2.15	-
83-5020-00	20CC	\$3.90	\$3.50	\$3.10	\$2.80	\$2.75
83-5030-00	30CC	\$5.50	\$4.95	\$4.40	\$3.95	\$3.85
83-5060-00	60CC	\$9.95	\$9.00	\$8.00	\$7.20	-

Vinyl Tubing



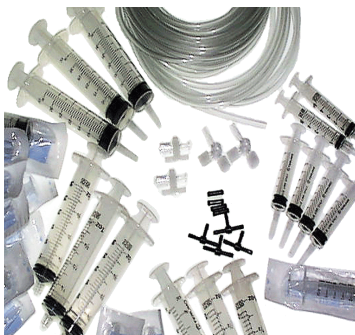
Fits all Leur loc syringes
CAT# 83-5005-00
 25' tubing – \$8.25
CAT# 83-5005-X4
 30m/100 ft – \$21.00

Self Adhesive Clips 6/pkg



These self-adhesive clips make project making easy. There are now two sizes available. They can also be used to mount batteries and toy motors.
CAT# 70-32-043 1" x 3/8" for 5cc syringes – \$8.40
CAT# 70-32-063 1" x 5/8" for 10cc-30cc syringes – \$5.60

Hydraulics Class Pack



Includes
 18 connectors & valves (assorted)
CAT# 83-5005-00
 50 feet tubing
CAT# 83-5004-00
 15 x 5 cc Syringe
CAT# 83-5010-00
 15 x 10 cc Syringes
CAT# 83-5020-00
 15 x 20 cc Syringes
CAT# 83-5030-00
 15 x 30 cc Syringes
CAT# 80-5700-18
 Hydraulics Workbook

CAT# 83-5435-HY Class Pack – \$92.00

Straight Connector



T Connector



Elbow Connector



CAT#	DESCRIPTION	1	2-5	6-19	20+
83-5011-00	STRAIGHT CONNECTOR 4/PKG	\$2.05	\$2.00	\$1.85	-
83-5013-00	T-CONNECTOR 4/PKG	\$3.05	\$2.75	\$2.45	-
83-5012-00	ELBOW CONNECTOR 4/PKG	\$4.50	\$4.20	\$3.85	\$3.50

2-way Stopcock 2/pkg



83-5015-00 – \$4.70

3-Way Stopcock 2/pkg



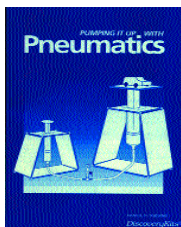
83-5014-00 – \$5.95

Syringe adapters 5/pkg



83-5066-00 – \$13.20

Pumping it Up with Pneumatics



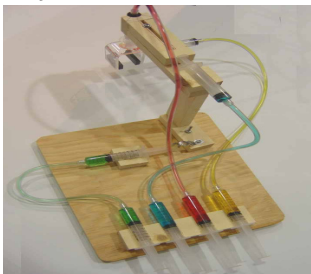
This booklet is designed to introduce you to basic pneumatic and hydraulic principals through design and make approach.
CAT# 80-5756-00 – \$2.95

Move it – with Water & Air



An introductory book design for primary and junior students. The ideas, hints and tips provide a resource for making movement using syringes and balloons.
CAT # 80-5700-11 – \$10.95

Project Idea



Make your own Hydraulic Marble Maze with four corners controlled by syringes to tilt and manipulate the board.

Basswood Strips 100 Sticks/Bundle



These 24" bass wood strips are ideal for bridge design, hydraulic projects, house building and much more. See page 25 for more options.

CAT#	SIZE	PRICE
83-BW066	6 X 6MM	\$47.25
83-BW088	8 X 8MM	\$50.50
83-BW1010	10 X 10MM	\$52.00
83-BW1212	12 X 12MM	\$58.00

Make Your Own Platforms Plywood 6/pkg



These baltic birch sheets can be cut to make project platforms. The sheets are 30" x 12" and 1/8" thick.
CAT# 83-BP504 – \$25.95

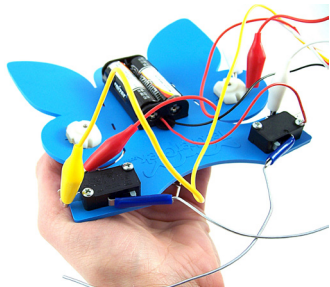
Project Ideas





TeacherGeek is dedicated to inspiring and empowering the innovators of tomorrow. The Teachergeek build system allows you to create almost anything mechanical. Make it your way incorporating found/recycling bin materials. Experiment and play, then revise and re-engineer. The TeacherGeek system allows for true engineering and innovation. From classroom activities to kitchen table projects; we would love to help you out.

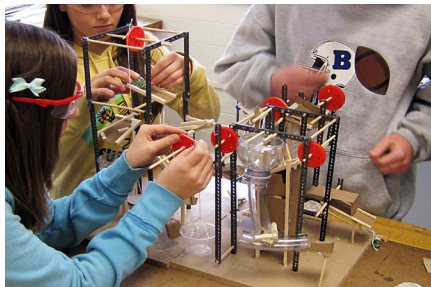
Catch The Bug 10/pkg



Are you ready to "Catch the Bug"? The bug is a truly fantastic and meaningful electronics learning activity. Finished bugs run around the floor with their own personality. They roam and explore by bumping into objects and finding new paths around the room.

CAT# 9T-182287 – \$146.00
2 or more – \$135.00

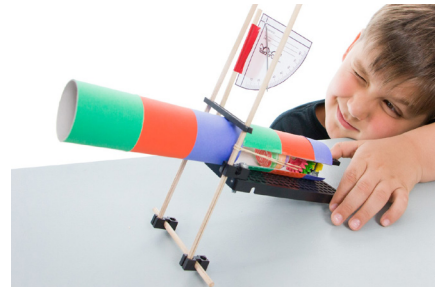
Crazy Contraptions



Crazy Contraptions is a thought provoking activity that engages students in the design and construction of exciting and innovative Rube Goldberg style mechanisms. Each Crazy Contraption requires a 12"x12" wood base with drilled holes. Available online at www.kidder.ca along with kit components list.

CAT# 9T-182289 – \$397.00
2 or more – \$367.00

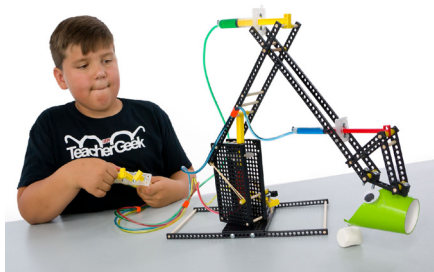
Ping-Pong Ball Launcher 10/pkg



A good projectile launcher is able to shoot with precision (the ability to hit the same spot, over and over) and accuracy (how close you get to the target). It should be able to change one variable at a time, utilizing scientific and engineering methods to hit the target.

CAT# 9T-182305 – \$131.00
2 or more – \$121.00

Advanced Hydraulic Arm 10/pkg

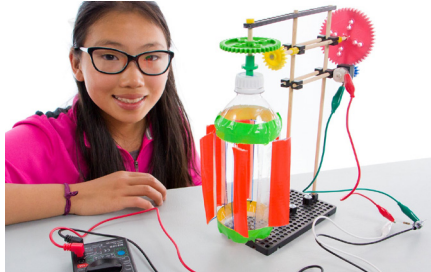


The arm is built totally by you, from scratch! You construct it by measuring, cutting, reaming holes and tapping. This arm is "advanced," because it has 8 cylinders

(4 cylinders move the arm, 4 cylinders form the control panel), and it has parts to make it into almost anything you can imagine. Build it using the instructions, then re-engineer it!

CAT# 9T-182309 – \$412.00
2 or more – \$381.00

Mini Wind Turbine 10/pkg



Build a working mini wind turbine that is truly your design. Learn through inquiry and experimentation. Found (recycling bin) materials are used to create the blades, and sometimes other parts of the turbine. Attach the blades to toothpicks (included) and mount them to the turbine hub. The hub holds 1 to 6 turbine blades, and allows you to adjust their angles.

CAT# 9T-182313 – \$76.50
2 or more – \$71.00

Wiggle-Bots - Super Pack 10/pkg



Wiggle-Bots are much more than "a lot of fun". They inspire. Watch eyes widen as wires are connected and Wiggle-Bots start to move. See how understanding and design evolves through experimentation (tinkering).

CAT# 9T-182456 – \$150.00
2 or more – \$138.50

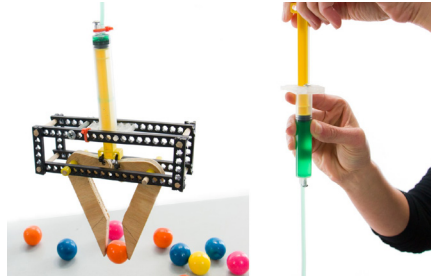
Wiggle-Bots - Regular Pack 10/pkg



Wiggle-Bot components and resources are all specifically design to facilitate innovation. Wiggle-Bot's use Teachergeek components, which allow kids to easily experiment, change their designs, and integrate other materials (recycling bin or other materials you have available). When kids innovate, they engage like never before.

CAT# 9T-182457 – \$112.50
2 or more – \$104.00

Hydraulic Claw 10/pkg



Design and build a hydraulic claw that works like the ones in the arcade. Move the upper cylinder and watch your claw open and close below. We have documents to get you started, but the final claw design up to you. Can you design a claw to pick up specific objects (worms, marshmallows, balls)? Take a look at kidder.ca for ideas and inspirations. Make your claw even better by incorporating recycling bin material.

CAT# 9T-182460 – \$112.50
2 or more – \$104.00

Advanced Rubber Racer 10/pkg



Design and engineer a vehicle that is propelled by the energy stored in rubber bands. Make it go for distance, or stop with precision. Design it to go fast, or cross a difficult terrain. Rubber band racers can be easily redesigned/reconfigured, so every day you can have a different challenge. Learn by experiencing potential and kinetic energy, simple machines, friction, elasticity and ratios.

CAT# 9T-182296 – \$172.00

Head to www.kidder.ca for more pictures and details on each of these kits and more from TeacherGeek!



Large Mixed Gears 40/pkg



The 40 Pack contains 10 of the following sizes: 10 tooth, 20 tooth, 40 tooth, 50 tooth
CAT# 9T-182328 – \$25.65

Large Mixed Pulleys 40/pkg



This 40 Pack contains 10 of the following sizes: 70mm, 55.5mm, 25.5mm, 9mm
CAT# 9T-182329 – \$27.15

Perpendicular Blocks 100/pkg



Perpendicular blocks are extremely useful. If you are planning on building anything, you should have a pile of them ready. How do they work? It is pretty simple; they hold dowels at a right (90 degree) angle. Perpendicular blocks come with holes that dowels press and stay stuck into. These holes can be reamed; allowing dowels to slide and spin.
CAT# 9T-182334 – \$22.50

1" Machine Screws 100/pkg



#10x 1" Screws. It's long enough to fasten most TeacherGeek and recycling bin components together.
CAT# 9T-182322 – \$5.60

Maker Tool Set 4pc



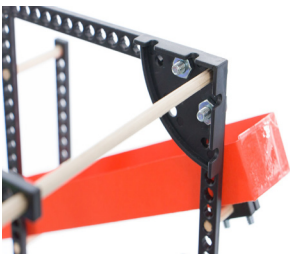
This Set includes a TeacherGeek MultiCutters, a TeacherGeek Reamer, Pliers and a Screwdriver. Tools can be ordered individually.
CAT# 9T-182384 – \$67.50

5mm Dowel 50/pkg



These high quality 5mm birch dowels are used in every activity, every project, every invention. If you are planning on making anything, we highly recommend that you put some in your shopping cart.
CAT# 9T-182335 – \$25.85

Angle Bracket 60/pkg



TeacherGeek Angle Brackets are used to make 3 dimensional frames. They join connector-strips at various angles (15, 30, 45, 60 or 90 degrees). Dowels fit securely into their splined corner holes.
CAT# 9T-182333 – \$20.20

Hex Nut 100/pkg



Tighten these nuts onto #10 machine screws to keep your projects held together.
CAT# 9T-182325 – \$2.80

Reamer



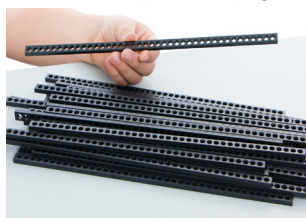
The reamer is an essential tool when building with TeacherGeek components. It changes the holes in components from a press fit (where the dowel stays stuck) to a loose fit (where the dowels spin and slide).
CAT# 9T-182387 – \$9.80

Hole Plates 20/pkg



Every project needs a frame; something to hold it together, or support it. That's where hole plates are really handy. Their corner holes are splined, so dowels press into them and stay stuck. The remaining 196 holes are larger than a dowel, allowing dowels to spin and slide. It can be used as hole plates on vehicles, launchers, wind turbines, hydraulic arms and loads of other projects.
CAT# 9T-182332 – \$17.80

Connector Strips 12" 50/pkg



TeacherGeek 300mm Connector Strips are basic structural components to build bridges, vehicle chassis, hydraulic arms, crazy contraptions, launchers, structures or original design innovations. The splined holes securely hold dowels or can be reamed for axle rotation. These strips are easily cut to your desired size. 12" long.
CAT# 9T-182331 – \$28.65

1 1/2" Machine Screws 100/pkg



#10 x 1 1/2" Screws. We use them for projectile launchers, and other special applications.
CAT# 9T-182323 – \$7.70

Wheel & Hub Set 40/pkg



Why do we call them "wheel-hubs"? Simple. It's because they can be wheels for vehicles, or a hub for wind turbine rotor. Their splined holes allow dowels to press securely into them, so the dowels and wheel-hubs turn together.
CAT# 9T-182330 – \$29.95

TeacherGeek Maker Cart



Roll it into your classroom, lab, or library for the ultimate MAKER/STEM/STEAM solution. Each cart includes a pallet of replacement supplies and sturdy tools to create almost any project. The sign is dry erase. NGSS Aligned. Grades K-12. Colour variation available on request.
CAT# 9T-MKR – \$8500
 Go to kiddr.ca for more information.

#10-24 Nylon Lock Nut 100/pkg



The nylon inserts within these nuts provide resistance to keep them from coming loose on machine screws.
CAT# 9T-182326 – \$7.20

#10 Washer 100/pkg



Reduce the friction between two components on a dowel, or keep a bolt from pulling through your parts with this washer.
CAT# 9T-182324 – \$3.00

MODEL ROCKETRY SUPPLIES

These prepackaged programs are the perfect way to start a model rocketry program. You will need a classroom and an open area about 1/2 the size of a football field to run 4-6 one hour building, flying and learning sessions for a one to two week program.

Alpha Rocket, 12 Rockets Bulk Pack



Skill Level 1

Length: 12.3 in. (31.1 cm)
Diameter: .98 in. (25 mm), Estimated Weight: .8 oz. (23g)

Laser cut Wood fins, Selfstick Decals, Parachute Recovery

Recommended Engines: A8-3 (First Flight), B6-4, C6-5

Projected Max Altitude
1000 ft. (305 m)

12 Rockets per Bulk Pack
CAT# 99-ES471 – \$145.50

Individual Kit
CAT# 99-E1756 – \$15.70
2 - 5 Kits – \$13.95

Wizard Rocket, 12 Rockets Bulk Pack



Skill Level 1

Length: 12 in. (30.5 cm)
Diameter: .74 in. (19 mm)
Estimated Weight: .5 oz. (14.2 g)

Laser cut Wood Fins, Selfstick Decals, Streamer Recovery

Recommended Engines: A8-3 (First Flight), B6-4, C6-5

Projected Max Altitude
1600 ft. (488 m)

12 Rockets per Bulk Pack
CAT# 99-ES477 – \$93.00

Individual Kit
CAT# 99-E1754 – \$10.00
2 - 5 Kits – \$8.90

Loadstar II, 12 Rockets Bulk Pack



Skill Level 2
(Average building skills.)

Length: 23.3 in. (59.2 cm)
Diameter: 1.64 in. (42 mm)
Estimated Weight (without payload): 2.8 oz. (80.1 g)

Laser cut Wood Fins, Clear Payload Section, 18 in. (46 cm) Parachute Recovery

Recommended Engines: Single B6-4, C6-5

Projected Max Altitude
1000 ft. (305 m)

12 Rockets per Bulk Pack
CAT# 99-ES475 – \$195.00

Individual Kit
CAT# 99-E1760 – \$20.95
2 - 5 Kits – \$18.60

Rocket Motor Value Pack 24/pkg

Includes motors, igniters and wadding

A8-3 24pcs Value Pack
CAT# 99-E546914 – \$88.00

B6-4 24pcs Value Pack
CAT# 99-E546917 – \$89.00

C6-3 24pcs Value Pack
CAT# 99-E546923 – \$115.00



Rocket Motors 3/pkg

A8-3 Rocket Motors with Igniters
99-E6914 – \$13.20
2 or more – \$11.60

B6-4 Rocket Motors with Igniters
99-E6917 – \$13.40
2 or more – \$11.80

C6-3 Rocket Motors with Igniters
99-E6923 – \$17.30
2 or more – \$15.25

C6-5 Rocket Motors with Igniters
99-E6925 – \$15.65
2 or more – \$13.80

C6-0 Rocket Motors with Igniters
99-E6937 – \$17.30
2 or more – \$15.25



Launch Pad



CAT# 99-E2215 – \$30.70

Fin Alignment Guide



CAT# 99-E2231 – \$30.70
2 or more – \$26.85

Recovery Wadding 72 sheets



CAT# 99-E7120 – \$7.65

Electronic Controller



CAT# 99-E2220 – \$34.90
2 or more – \$24.40

Igniters 6/pkg



CAT# 99-E2302 – \$8.60
2 - 5 – \$7.65
6 or more – \$6.70

Altitude Finder



CAT# 99-E2232 – \$26.85

Altimeter



CAT# 99-E2246 – \$54.50

Deluxe Bottle Rocket Kit

NEW



These Water Rockets are the perfect low-cost flying rocket without the hassles of traditional solid propellant rockets! There's no cost per launch - You can fly them over and over.

You control the flight performance by varying amount of fuel and pressure. Flies to over 200 feet. You supply a PET soda bottle - 24 oz, 1 liter, or 2 liters. Included in this Starter Set are supplies to build your first water rocket except the bottle, and a Complete Launch System.

You get:

- 1 pre-cut Rigid Foam Fin Set
- 1 translucent molded nozzle
- 1 Foam Recovery bumper
- Color assembly and use instructions
- 1 Fuel measuring flask
- Includes complete Launch System.

You'll also need a standard bicycle pump with a pressure gauge. The unique Rigid Foam Fin system requires a 'Low-Temp' Hot Melt glue gun (CAT# 80-480-244). You assemble the pre-cut and slotted fins, then apply the Hot Melt glue to the outside of each fin joint - this assures a perfect fine alignment every time. You can also use White Glue, but you'll have to wait until the glue dries overnight before flying your rocket.

CAT# 99-7308 – \$49.50
2 or more – \$45.85



Teachers guide to Rockets

CAT# 80-5746-00 – \$19.90

Straw Rockets Getting Started Package



Building and experimenting with these simple rockets is the perfect way to introduce students to rocketry. And they'll learn a bevy of physics principles in the process! Enough materials for 30 students to build four rockets each. The Straw Rocket Launcher and the Straw Rocket video are included. Requires scissors, ruler, and transparent tape, not included.

CAT# 99-SR35783 – \$369.00

Straw Rocket Launcher



Students can build their own straw rockets and test them on the Straw Rocket Launcher. They can conduct scientific experiments by varying the trajectory angle and launch energy. These rockets can travel up to 50 feet. The Straw Rocket Launcher uses pneumatic force created by releasing a weighted drop rod in the cylinder to launch rockets. The force of the launch can be controlled by varying the release height of the rod. The launcher features: Simple operation Adjustable trajectory angle with angle gauge

CAT#99-SR20426 – \$318.00

Precision Straws / Variety Pack 120/pkg



Manufactured to fit perfectly on the Straw Rocket Launcher, Precision Straws are used to make straw rockets that will launch every time! They are made from Mylar for durability and can also be glued.

CAT# 99-SR35781 – \$34.90

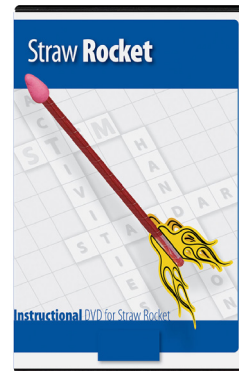
Straw Rocket Class Pack



For a fun and easy activity to illustrate oodles of scientific principles, look no further than this introductory rocket project. The Straw Rocket Class Pack will help teach projectile motion, center of gravity, initial velocity, introductory aerodynamics, and more. This activity is a great way to teach students the principles of rocketry before going on to engine- or hydrogen-powered rockets. This pack includes enough Precision Straws, clay, and fin material for 30 students to make four rockets each, which enables them to experiment with different weights, straw lengths, and fin designs Pack includes student instructions. Requires launcher, scissors, ruler, and transparent tape, sold separately.

CAT# 99-SR35784 – \$43.95

Straw Rocket DVD



Whether you want to show students how to design and launch rockets or see how to maintain the Straw Rocket Launcher, this video covers it all.

CAT# 99-SR59993 – \$47.65

Teacher's Guide



Straw rockets might be an introductory rocket activity, but this guide will help you get a lot of educational mileage out of them. With these fun activities, students grasp a variety of subjects including force and motion, thrust, center of gravity, prediction, measurements, and tons more.

CAT# 99-SR59459 – \$47.65

Delta Dart



This model is best suited for first time builders. It can be built using glue sticks in conjunction with white glue for faster, easier and cleaner projects.

Single Kit

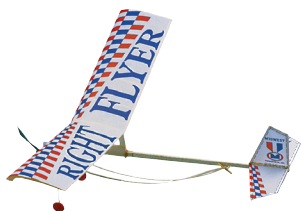
CAT# 19-FF510KT – \$2.90

Class Pack 35 Kits

CAT# 19-FF-510 – \$70.00

To make 35 Delta Darts

Right Flyer



This model has cambered airfoil wings and a low thrustline for high endurance flights. It can be flown with or without landing gear for drag or weight experiments.

Single Kit

CAT# 19-FF501KT – \$8.55

Class Pack 24 Kits

CAT# 19-FF-501 – \$141.50

To make 24 Right Flyers

Glider



This glider is incredibly fun to fly, and easy to build. No glue is required, and assembly takes just minutes. Wind the rubber band powered propeller and watch it float through the air.

Single Kit

CAT# 99-E3430 – \$4.95

2-5 kits – \$4.55

6 or more – \$4.05

24 Student Class Pack

CAT# 99-E54340 – \$88.00

Helicopter



This rubberband powered Helicopter is simple to construct and amazing to watch it fly. Wind the rubber motor, let go, and this helicopter will soar up to the sky!

Single Kit

CAT# 99-9621 – \$5.40

2-5 – \$4.80

6-19 – \$4.45

20 or more – \$4.10

24 Student Class Pack

CAT# 99-54-9621 – \$79.00

BUILD YOUR OWN MODEL PLANE!

Propeller 2 blades, 35/pkg



Propeller is 152 mm and includes plastic nose and bearing shaft used with drive bands below.

CAT# 19-FF-380 – \$20.00

propeller 3 blades, 6/pkg



3" plastic propellers. For 2mm shaft motor.

CAT# 80-3555-00 – \$7.90

Airplane Propeller



CAT# 80-3556-00

An airplane propeller with 2mm shaft. 150mm long. 10/pkg – \$13.50

CAT# 80-3556-40

4 inch in length, 1mm dm hole. 3/pkg – \$5.45

5 to 1 Winder



Use this tool to quickly wind rubber motors on our airplanes and boats. This labor saving tool winds 5 revolutions on the motor for every 1 hand crank turn.

CAT# 19-40-389 – \$9.75

Rubber Band Strands 35/pkg



Use these bands with the propeller assembly to drive plane or other kits. The strands can be tied to make a loop.

CAT# 19-FF-370 \$9.90

Rubber Motor Drive



This rubber motor drive for propellers is 1/8" x 48ft. It is made of high quality rubber and can withstand 1000 winds.

CAT# 19-FF-378 – \$13.50

3-9Volt Toy Motors 6/pkg



2mm shaft. Ideal for use with props CAT# 80-3556-00 and CAT# 80-3555-00.

CAT# 80-3550-00 – \$8.90

Model plane wheels 100/pkg



3/4" in diameter.

CAT# 19-FF-931 – \$22.10

Balloon Helicopter Kit 12/pkg



Effectively demonstrates Newton's Third Law with this exciting and simple product. Balloon Helicopter kit contains:

1 balloon,
3 rotor blades,
1 mouth piece,
1 blade assembly.
Air pump included.

CAT# 99-7030-03 – \$21.75

Balsa Wood Scrap Pack



Balsa is a very light wood excellent for model plane building. Package contains various strips & sheets.

CAT# 83-AWPKG – \$11.95

2-5 pkgs – \$6.65

6-19 pkgs – \$6.50

20 or more – \$6.30

Balsa Wood Sheets 6 Sheets/bundle



Use these balsa sheets to design your own wings! Balsa is the ideal wood for model planes as it is light, durable and easy to cut. Four different size options below. Be sure to check out our cutting tools on page.

CAT#	SIZE	1	2-5	6+
83-AW402	4" X 18" X 1/16"	\$12.55	\$11.15	-
83-AW403	4" X 18" X 3/32"	\$17.45	\$15.50	\$13.95
83-AW404	4" X 18" X 1/8"	\$18.00	\$16.00	-
83-AW406	4" X 18" X 3/8"	\$33.30	\$29.95	-

Round Glass Mirror 6", 3/pkg



CAT# B-14-289 – \$3.40

Square Glass Mirror 6", 3/pkg



CAT# B-14-290 – \$3.40

Acrylic Mirror Squares 76mm / 3"sq



3" sq (1/8") thick mirror squares
great for optics projects.
CAT# B-14-295

QTY	PRICE
1	\$2.35
2-5	\$2.05
6+	\$1.70

LED Flashlight with Lanyard



CAT# B-14-5405 – \$3.75
6-19 – \$3.40
20 or more – \$2.95

3X Magnifier 4"



CAT# B-14-229 – \$2.20
2 or more – \$2.00

Dual Hand Lens 10/pkg (Gr. K+)



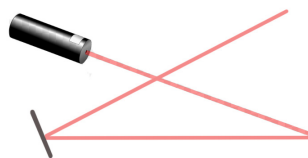
Versatile 3x and 5x magnifiers.
0.75" and 1.5" dm lens.
CAT# B-14-223 – \$12.25

UV Beads 250/pkg



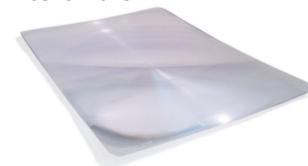
These UV beads are extremely sensitive to natural light and change colour dramatically from white to various colours when exposed to sunlight or- even on an overcast day.
Containing trace amounts of a photochromic pigment that are sensitive to the ultraviolet component of daylight, the beads have many different uses ranging from scientific testing of (UV) sun block materials to the creation of 'smart' jewellery.
Available as pack 1000 beads per bag of assorted colours.
CAT# B-14UVBDS – \$9.50
2 or more – \$8.20

Laser Pointer



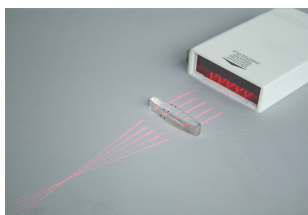
Great for demonstration basic physics investigation with lenses and mirrors.
Comes with multiple lenses.
CAT# B-14-54LN – \$2.45
2 or more – \$2.05

Fresnel Lens



For all of you would-be eco-friendly mad-scientists, this lens will create a wow factor for your students / learners like none other. On a bright sunny day you can extract enough solar heat to burn a copper penny or see how long it takes to heat up a bowl of water! They are 6 3/8" x 8 3/4" or 16.5 x 22.5 cm.
The background grid is 1/4" or about 0.5cm square. Wooden frame not included.
Sold Individually.
CAT# B-14-325 – \$3.50
6 or more – \$2.50

Laser Ray Box



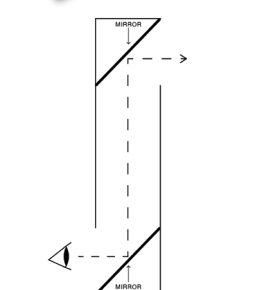
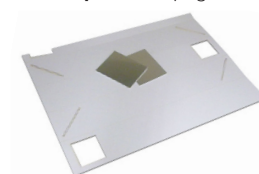
Introduce your students to different optical phenomenon with the Laser Ray Box.
This compact model can project one, three or five separate laser light rays thanks to a three position switch located on the back.
CAT# B-14-SL20 – \$276.00
2-5 – \$241.50
6 or more – \$241.50

Mirror Strips to Build a Kaleidoscope



Use these mirrors along with some sequins to make a kaleidoscope. The strips are 11 3/4" x 2". Form mirrors into a triangle. Use three mirror strips for best results.
CAT# B-14-298 – \$3.25
2-5 – \$3.00
6 or more – \$2.85
PRICES PER STRIP.

Periscope Kit 10/pkg

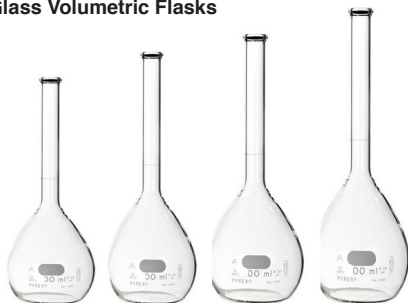


Build your own periscope. Allows the user to construct a simple periscope to raise the eye-level by approximately 25cm.
Enough parts are included to make 10 periscopes.
CAT# B-14-310 – \$23.50

See www.kidder.ca for a variety of Prisms, Concave & Convex Lenses.

Glass Erlenmeyer Flasks

CAT# 83-72-0050 50ml – \$3.85
 CAT# 83-72-0100 100ml – \$5.75
 CAT# 83-72-0250 250ml – \$6.75
 CAT# 83-72-0500 500ml – \$8.80
 CAT# 83-72-1000 1000ml – \$14.65

Glass Volumetric Flasks

Comes with lid enclosure.
 CAT# 83-71-0100 100ml – \$5.00
 CAT# 83-71-0250 250ml – \$6.50
 CAT# 83-71-0500 500ml – \$8.80
 CAT# 83-71-1000 1000ml – \$12.00

Glass Test Tubes 10/pkg

#1 Stoppers are compatible with this tube.
 CAT# 83-8064-00 16mm x 100mm – \$16.25
 CAT# 83-8066-00 20mm x 150mm – \$17.35

Plastic Test Tubes 12/pkg

Provided as a set of 12 tubes of size 17mm x 100mm with closures.
 CAT# 83-8061-00 – \$10.80

Borosilicate Glass Beakers

CAT# 83-7062-00 50ml – \$3.15
 CAT# 83-7063-00 100ml – \$3.30
 CAT# 83-7065-00 250ml – \$4.50
 CAT# 83-7066-00 400ml – \$5.05
 CAT# 83-7067-00 500ml – \$5.65
 CAT# 83-7068-00 600ml – \$6.20
 CAT# 83-7069-00 1l – \$10.15
 CAT# 83-7070-00 2l – \$20.25

Plastic Beakers 5/set

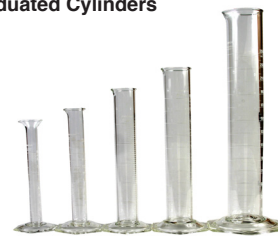
- Set includes 50, 100, 250, 500, and 1000 ml beakers
 - Durable polypropylene construction with printed numerical graduations on the outside.
 - Resistant to most common acids, bases and solvents. Wide base for stability.
 - Pouring spouts.
 - Autoclavable to 130°C (250°F).
 - Nestable.
- CAT# 83-8050-06 – \$22.50

Test Tube Rack

- Replacement for wood and metal racks.
 - Has six openings of 18 and 25mm diameter on top plate, with hemispherical wells and drying pins.
 - Open side for clear viewing.
 - Can be easily assembled.
 - Dimensions (mm) - 240 L x 70 W x H 90.
- CAT# 83-8082-00 – \$5.30

Test Tube Brush

Large brush with radial, double-fan tip and full black nylon bristles makes complete contact with cylinder walls and bottom. Galvanized wire handle that resists rust and corrosion.
 CAT# 83-8071-00 Small – \$4.50 12mm - 18mm
 CAT# 83-8073-00 Large – \$4.55 18mm - 25mm

Glass Graduated Cylinders

CAT# 83-8121-00 10 ml – \$4.20
 CAT# 83-8122-00 25 ml – \$5.20
 CAT# 83-8123-00 50 ml – \$8.45
 CAT# 83-8124-00 100 ml – \$10.15
 CAT# 83-8125-00 250 ml – \$16.90
 CAT# 83-8126-00 500 ml – \$26.25
 CAT# 83-8127-00 1000 ml – \$50.00

Thermometer

Thermometer with red alcohol.
 Partial immersion 1mm
 CAT# 83-7012-00 – \$2.70
 -20C – 100C
 CAT# 83-7007-00 – \$3.05
 -20C – 150C

Total immersion 1mm
 CAT# 83-7016-00 – \$4.00
 -20C – 110C
 CAT# 83-7044-00 – \$2.80
 -20C – 150C

Transfer Pipette - 20/pkg

Transfer Pipette, PP 1.7ml, CAP - 3"length
 CAT# 83-5097-00 – \$5.05

Test Tube Clamp

- Made of nickel plated spring steel wire.
- Has self-closing jaws with finger grips.
- About 16cm long.

CAT# 83-8085-00 – \$2.05

Beaker Tongs

- Holds beakers from 50ml upto 2000ml capacity.
 - Made of plated steel.
 - Jaws are plastic coated.
 - 25 cm L, 17 cm jaw opening
- CAT# 83-8091-00 – \$7.90

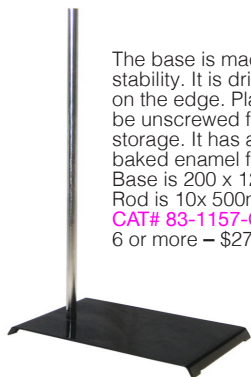
See www.kidder.ca for quantity discounts.

Rubber Stoppers



They are sold by the pound.
Ideal for Test Tubes, Flasks and Cylinders.
#1 Stopper - CAT# 80-4288-01
#4 Stopper - CAT# 80-4288-04
#5 Stopper - CAT# 80-4288-05
#6 Stopper - CAT# 80-4288-06
\$19.20

Support Stand



The base is made of cast iron for stability. It is drilled and tapped on the edge. Plated steel rod can be unscrewed from the base for storage. It has a chemical resistant, baked enamel finish.
Base is 200 x 125mm.
Rod is 10x 500mm
CAT# 83-1157-CI - \$33.75
6 or more - \$27.00

Premium Large 2" Owl Pellets



Owl pellets are formed when owls swallow their prey whole, then cast a pellet out of their mouths 12 to 24 hours later. The pellet contains the indigestible bones and fur of the prey. They make a wonderful learning tool that can be used to introduce students to comparative skeletal anatomy, concepts of natural history, and ecology and predator/prey relationships.
CAT# B-14-410 - \$8.15
2 - 5pcs - \$7.30
6 or more - \$6.35

Microscope Slides

72/pkg



Blank Microscope glass slides,
CAT# B-14-248 - \$5.85

Slide Making Kit



- Get started in the fascinating study of the microscopic world
 - Make your own microscope slides
 - Learn how to view them
 - Complete kit with clearly written instructions
 - Hatch your own brine shrimp for microscopic study
- CAT# B-14-245 - \$28.00
2 or more - \$25.20

Burette Clamp



The plastic coated jaws may be locked by a steel thumbscrew. It is constructed of stamped steel and zinc-plated.
The jaw opens from 10-35mm.
The overall length is 162mm. Compatible with Support Stand CAT# 83-1157-CI.
CAT# 83-1157-BC - \$13.50
6 or more - \$10.80

Electronic Scale



This easy to use 5 kg electronic scale has a mode button that allows you to measure in grams, pounds and ounces along with a blue back light that allows for easy digital reading. Capacity 5 kg/11.05 lbs in 1g / 1/8 oz increments. 4 AA batteries included.
CAT# 98-1265-00 - \$56.50

Petri Dishes



- 100 x 15mm
- Plastic Sterile Dishes
- Variety of options below.
- Comes with lid enclosure.

CAT#	DESCRIPTION	6-19	20-49
B-14-415	25/pkg	\$21.50	\$19.50
B-14-417	25/pkg with Agar	\$42.00	-

Chemistry 60 Kit



This Chem 60 set includes 60 safe and fun activities; helping your child learn and play at the same time. There is no fear of working with dangerous chemicals or poisons. The topics covered in the kit deal with chemical reactions; acids and bases; chromatography; grow crystal; surface tension; solutions and colloids; expansion of gases; magnetism; optics; cultivating plants and more. Simple experiments are performed using the contents of the kit and common household items.
CAT# 80-54-6013 - \$47.85

Overflow Can



For determining the volume of an irregularly shaped body when used in conjunction with a catch bucket. Suitable for density cylinders, sinkers and Archimedes principle devices. Made of polished sheet aluminum. The spout is properly angled to accurately measure displaced liquid volume.
Dim. 120mm (H) x 65mm (D)
CAT# 98-1326-00 - \$9.45
2 or more - \$8.40

Dual Hand Lens 10/pkg



(Gr. K+) Versatile 3x and 5x magnifiers.
0.75" and 1.5" diameter lens.
CAT# B-14-223 - \$12.25

Prepared Microscope Slides

Set of 12 slides with 36 specimens



Includes Fibers, Algae, Grasshopper, Fungi, Starch & more.
CAT# B-14-246 - \$18.90 set

Basic Student Microscope

Economy microscope in all metal body 40 to 400x magnification, 360° rotatable monocular head and 45° inclined. Triple nose piece with positive click stops. Supplied in styrofoam case with vinyl dustcover.

Eyeiece: 10x W.F. with pointer.
Objective: 4x, 10x and 40x (retractable)
Achromatic Diaphragm: 6 hole disc with fixed condenser 0.65 N.A.
Stage: 90 x 90 mm with spring mounted clips with adjustable stage stop.
Illuminator: Built-in incandescent lamp 15W with on/off switch.

Focusing: Coarse control.
CAT# B-1443504 – \$157.50
2 or more – \$149.50

Advanced Student Microscope

- Eyepiece: W.F.10x w/ rotating pointer
- Objective: achromatic 4x, 10x, 40x
- Mechanical stage (optional)
- Magnification: 40x to 400x
- Illuminator: Built-in incandescent lamp 6V/15W with on/off switch
- Disc diaphragm
- Fine (F)/Coarse (C) control
- Supplied in styrofoam case with vinyl dustcover.

CAT# B-14BI384 – \$283.00
2 or more – \$254.00

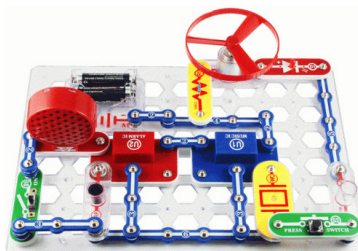
Snap Circuits Light

Watch and be amazed at what your music can do with the new Snap Circuits LIGHT. Connect your ipod or any MP3 player and enjoy your music as the lights change to the beat. The strobe light with spinning patterns will amaze you with its visual effects. This kit makes learning electronics easy and fun! Just follow the colourful pictures in our manual and build over 175 exciting projects. All parts are mounted on plastic modules and snap together with ease. Enjoy hours of educational fun while learning about electronics.
CAT# 80-35CL175 – \$133.50
2 or more – \$120.50

Snap Circuits Alternate Energy Kit

Learn about energy sources and how to "think green". Build over 125 projects, using the flexibility of our award-winning Snap Circuits®, to have loads of fun learning about environmentally friendly energy and how the electricity in your home works. The educational manual will explain all the forms of environmentally friendly energy including: geothermal, hydrogen fuel cells, wind, solar, tidal, hydro, and others.

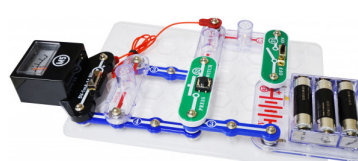
CAT# 80-3503125 – \$122.50

Snap Circuits 100 Project Kits

Electrical components provide students ages 8+ with hands-on experience designing and building models of working electrical circuits. Snap-together parts require no tools and ensure correct connections. Includes 30 parts, and instructions for over 100 projects. Requires 2 "AA" batteries (70-3201-00). Clear and concise illustrated manual included and available online.
CAT# 80-3503100 – \$39.90
2 or more – \$34.90

Snap Circuits 300 Project Kits

Contains over 60 Snap-Together parts. Electrical components provide students ages 8+ with hands-on experience designing and building models of working electrical circuits. Snap-Together parts require no tools and ensure correct connections. Requires 4 "AA" batteries (70-3201-00). Clear and concise illustrated manual included and available online.
CAT# 80-3503300 – \$110.10

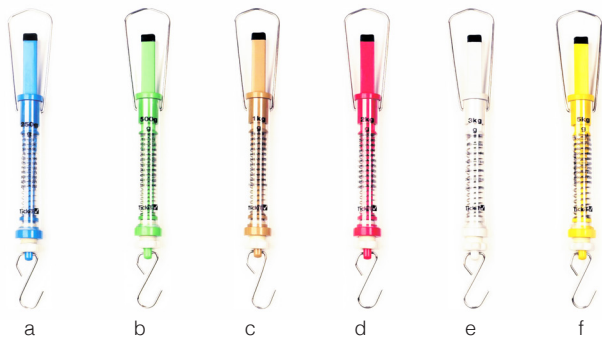
Snap Circuits Basic Electricity

You can make 9 projects with the Snap Circuits Basic Electricity kit. Learn about basic electricity principles while having fun. Requires 3 "AA" batteries (70-3201-00).
CAT# 80-35SCP10 – \$31.20

Electromagnetism Kit

This kit lets you compare an electromagnet to a normal magnet. You will have lots of fun while learning about electricity and magnetism. Requires 3 "AA" batteries (70-3201-00).
CAT# 80-35SCP08 – \$31.20

Newton Push/Pull Meters



Low-cost spring balances provide a unique solution to the problem of measuring other compressive or tensile forces. These balances provide for measurements ranging from 2.5N-50N.

- a. CAT# 98-1205-00 Blue – 0-2.5 Newtons
- b. CAT# 98-1210-00 Green – 0-5 Newtons
- c. CAT# 98-1215-00 Beige – 0-10 Newtons
- d. CAT# 98-1220-00 Red – 0-20 Newtons
- e. CAT# 98-1225-00 White – 0-30 Newtons
- f. CAT# 98-1230-00 Yellow – 0-50 Newtons

– \$14.40

2 or more – \$13.45

Triple Beam Platform Balance w/ Weights



These balances feature rugged die cast construction, precision ground steel knife edges, dual magnetic dampening systems to slow oscillation, and a large stainless steel weighing platform.

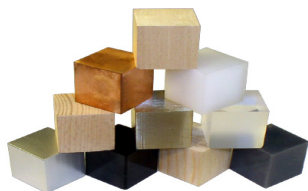
The Capacity is 610g, and optional weight set extends capacity to 2610g.

- Notched and tiered beam, front beam calibration 0.1g sensitivity.
- Middle beam 500 x 100g.
- Rear beam 100 x 10g.
- Platform size - 15cm diameter.

CAT# 19-1070 – \$166.00

Density Block

Set of 10



1 cm cube. The set consists of aluminum, steel, brass, copper, iron, wood, cork, lead, zinc and acrylic cubes.

CAT# 98-1180-00 – \$27.00

Equal Mass Density Cubes

Set of 5



Cube set includes 20g mass each of aluminum, brass, copper, iron and zinc. Packed in a cardboard box.

CAT# 98-1312-00 – \$16.00

Hooked Mass Weight Set of 9



Set of 9 steel plated hex weights with hook ranging from 1g to 1kg. They come in a plastic fitted storage base.

CAT# 98-1305-00 – \$67.50

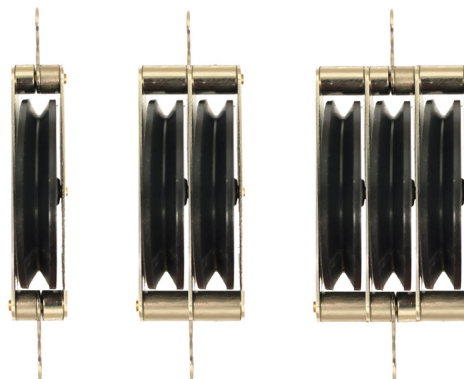
Hex Mass Weights Set of 5



Hex mass weights include: 50g, 100g, 200g, 500g, 1000g

CAT# 98-1309-00 – \$67.50

Pulley Blocks



Single

Double

Triple

Pulley blocks are free running 50 mm diam pulleys in a house with swivel hooks at each end.
 CAT# 80-3594-01 Single – \$3.40
 2 or more – \$3.10
 CAT# 80-3594-02 Double – \$4.40
 2 or more – \$3.90
 CAT# 80-3594-03 Triple – \$6.40
 2 or more – \$5.65

The set of 5 pulley blocks contain
 2 single
 2 double
 1 triple block.
 CAT# 80-543594X – \$14.95

Acrylic Sheets 24" x 32" (69 x 81 cm)



AVAILABLE IN VARIOUS COLOURS.
WE MAY SUBSTITUTE EQUIVALENT COLOURS
WHEN OUT OF STOCK.

CAT#	COLOUR THICKNESS	1	2+
80-0101-00	Clear 1/8" (3 mm)	\$23.85	\$22.75
80-0301-00	White 1/8" (3 mm)	\$28.50	\$26.35
80-0307-00	Smoke 1/8" (3 mm)	\$38.40	\$35.95
80-0312-00	Red 1/8" (3 mm)	\$29.00	\$26.90
80-0322-00	Green 1/8" (3 mm)	\$29.90	\$26.90
80-0327-00	Blue 1/8" (3 mm)	\$29.90	\$26.90
80-0332-00	Yellow 1/8" (3 mm)	\$29.90	\$26.90
80-0342-00	Orange 1/8" (3 mm)	\$29.90	\$26.90
80-0347-00	Black 1/8" (3 mm)	\$28.50	\$25.65
80-0503-00	Clear Mirror 1/8" (3 mm)	\$49.60	-

BUY BULK AND SAVE.
SELECT COLOURS FROM CHART ABOVE.

CAT#	QTY	THICKNESS	PRICE
80-5401-00	12	1/8"(3mm)	\$315.00
80-5402-00	6	1/8"(3mm)	\$160.00

Assorted Off-Cuts of Acrylic



This package of acrylic has various coloured sheets. The thickness is mostly 1/8" - 1/4" (3-6 mm) and sheet sizes are mostly 24" x 32" (69 x 91 cm) and generally masked. This is an economical way to buy your acrylic.

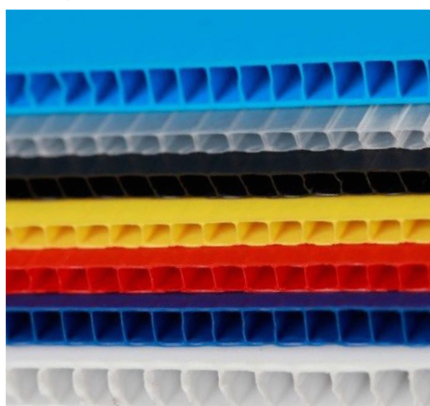
CAT#	DESC.	PRICE
80-0703	75 lbs	\$377.00
80-0702	50 lbs	\$273.00
80-0701	25 lbs	\$149.50

Engraving Stock 6 Assorted Sheets



This 2 ply engraving stock is perfect for sign making or CNC milling. Sheets are 12" x 24" (30 cm x 60 cm) of assorted colours.
CAT# 80-5425-00 – \$111.00

Corrugated Plastic 24"x32"x3/16" (4mm)



Coroplast is made of a wide range of extruded twinwall plastic sheet products produced from a high impact polypropylene copolymer. This corrugated plastic sheeting is excellent for making small science projects. It is light, inexpensive and easy to use. Minimum of 3 sheets required to order.

CAT#	COLOUR
80-1247-00	Black
80-1227-00	Blue
80-1222-00	Green
80-1201-00	Natural
80-1212-00	Red
80-1203-00	White
80-1232-00	Yellow

\$6.15
2 or more – \$5.45

Assorted Colours Corrugated Plastic Bulk Pack 7 Sheet

CAT #80-54-1200 – \$35.00
COLOURS MAY VARY DEPENDING ON STOCK AVAILABLE.

Styrene Sheet 14" x 20"



The colour sheets are available in 0.020 thickness. They can be cut down to use with a vacuum former.

\$4.15 each

CAT#	COLOUR
75-V020BK	Black
75-V020BU	Blue
75-V020GR	Green
75-V020RD	Red

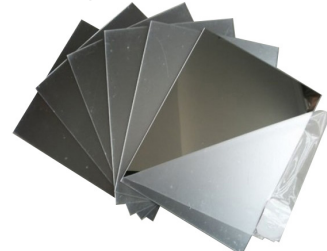
CAT# 75-V015CL
White sheet – \$4.30
Clear sheet – \$3.70

Bulk Pack 9 Sheet

NEW

CAT #75-V020-MX – \$38.00
COLOURS MAY VARY DEPENDING ON STOCK AVAILABLE.

Clear Acrylic Mirror Sheets



All mirror sheets 24" x 32" x 1/8".
80-0503-00 – \$49.60
Also see 3" square mirrors on page 45.

Drill Bits for Acrylic & Wood



These drills are especially recommended for drilling acrylic plastic and most other types of plastic. They are made of high speed steel and are sold individually.

CAT#	SIZE	1	2+
80-3210	1/8" (3.2 mm)	\$4.60	\$4.30
80-3211	5/32" (4 mm)	\$5.30	\$5.00
80-3212	3/16" (4.8 mm)	\$5.00	-
80-3213	1/4" (6.4 mm)	\$6.80	-
80-3214	5/16" (8 mm)	\$9.10	-
80-3215	3/8" (9.5 mm)	\$10.90	-
80-3216	7/16" (11 mm)	\$19.10	-
80-3217	1/2" (13 mm)	\$19.85	\$18.70

Cutting Tool



Hardened steel blade scores and cuts acrylic up to 1/4" thick. Swivel blade folds away safely for storage, yet stays in place when scoring. Simply score material and break along the straight line.
CAT# 80-3205-00 – \$4.50
2-5 – \$4.00

Olfa Heavy Duty Cutter



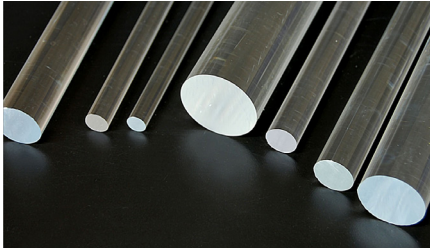
This professional cutter comes complete with a two sided tungsten carbide blade. The excellent grip handle offers ease in production and multiple use. Perfect for scoring and snapping Plastic. Just Score & snap.
CAT# 80-3209-00 – \$16.35

Olfa Cutter Replacement blades 3/pkg



CAT# 80-3209-RB – \$5.90

Solid Acrylic Rod 91 cm (36")



CAT#	DIAMETER	1	2 +
80-0901-00	1/8" (3 mm)	\$0.54	\$0.50
80-0902-00	1/4" (6 mm)	\$1.26	\$1.16
80-0903-00	5/16" (8 mm)	\$1.80	\$1.65
80-0904-00	3/8" (9 mm)	\$2.60	\$2.40
80-0905-00	1/2" (13 mm)	\$4.25	\$3.90
80-0906-00	5/8" (16 mm)	\$8.35	\$7.55

Acrylic Tubing 91 cm (36")



CAT#	DIAMETER	1	2 +
80-1102-00	1/4" (6 mm)	\$1.35	\$1.24
80-1103-00	3/8" (9 mm)	\$2.55	\$2.30
80-1104-00	1/2" (13 mm)	\$2.40	\$2.15
80-1105-00	5/8" (16 mm)	\$3.40	\$3.05
80-1106-00	3/4" (19 mm)	\$4.85	\$4.45
80-1107-00	1" (25 mm)	\$7.45	\$6.85

Solid Square Rod 91 cm (36")



CAT#	DIAMETER	1	2 +
80-1002-00	13 mm (1/2")	\$10.70	\$9.60
80-1004-00	19 mm (3/4")	\$20.50	\$18.45
80-1006-00	25 mm (1")	\$18.10	-

Edge Scraper



This unique tool features four functions in one. Not only will it remove saw marks from flag edges, it also bevels thick and thin material and will radius the edge quickly and evenly.
CAT# 80-3206-00 – \$17.45
 2 or more – \$15.50

Hot Air Pistol Heat Gun 36" 91cm long



This heat gun includes a 9 piece accessory kit for all your plastic forming needs. It has 1500 watts and is 120V. It reaches a temperature of 500°C.
CAT# 80-4836-00 – \$48.30.

Plastic-Polish 200 ml



Specially formulated for the removal of fine scratches, haziness and abrasions from most plastic surfaces. After polishing, use 20/20 Plasti-Cleaner to restore surface to a bright, shiny appearance.
CAT# 80-2215-00 – \$10.00

Clear Piano Hinges



This hinge is made from high strength resin for superior strength. It is a solvent cementable for easy fabrication. This hinge can be cut to size.
CAT# 80-4252-00

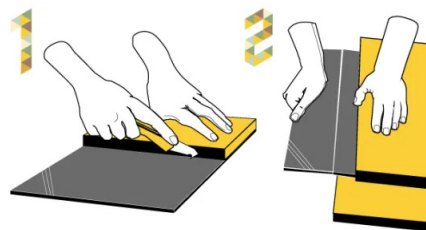
QTY	PRICE
1	\$3.80
2-5	\$3.70
6-19	\$3.60

Clear Acrylic Hinges 2/pkg



QTY	PRICE
1	\$3.65
2-5	\$3.35
6-19	\$3.05

Use these hinges with all types of acrylic. Simply solvent cement in place with "Plexweld "F". No drilling, Tapping or mechanical fastener required. Dimensions are 1 1/2" x 1 3/4" (388 mm x 44 mm)
CAT# 80-4247-00



Bulk Bead Chain & Connectors



Buy bulk and save costs. This chain comes in spools of 100'. You can purchase connectors to make your own chains.
 Bead Chain 100' Sp – \$41.30
CAT# 80-4217 Nickel
CAT# 80-4219 Brass

Connectors 100/pkg – \$4.60
 2 or more – \$4.10
CAT# 80-4218 Nickel
CAT# 80-4220 Brass

Bead Chain 4"



100/pkg – \$9.95
 2 or more – \$9.45
CAT# 80-4216 Nickel
CAT# 80-4215 Brass

High Gloss Compound

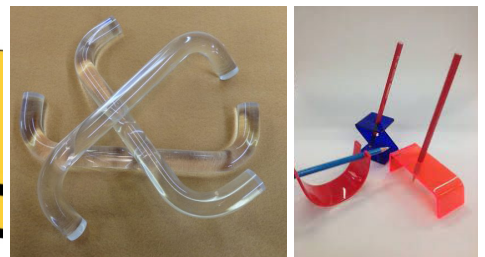


For a highly polished final glass finish use this high gloss compound with the sewn buffers.
CAT# 80-2202-00 – \$15.70

Fast Cutting Compound



For a clear polished finish on cut edges of acrylic sheets, apply compound on loose buffer (80-2203). Wet sand first with durex abrasive.
CAT# 80-2201-00 – \$13.40



Applicator for Plexweld 2 oz

This squeeze type applicator is excellent for solvents such as Plexweld 'F'. It allows you to apply a very fine line of solvent. The long needle tip also allows you to get in to hard-to-get places. Bottles are 2 ounce and the needles are 25 gauge.
CAT# 80-3405-00 – \$3.70
 2-5 – \$3.40



Replacement Needles 5/pkg



CAT.# 80-3405-RN – \$3.70

Plexweld "F" Solvent 1 Litre



Capillary cementing with Plexweld 'F' is an easy method of joining two pieces of acrylic. Finish the edges to a satin finish stage. Remove partially the masking. Hold pieces together by using vertical support. Apply Plexweld 'F' to inside corner with applicator.
CAT# 80-3401-QT – \$48.35

Thickened Cement 2 oz



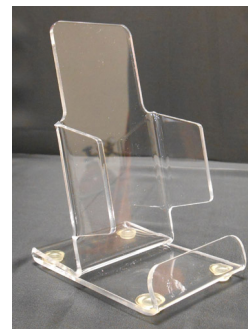
A clear syrup cement for joining acrylic to acrylic where high strength joints are needed. Rapid setting, overnight cure formulation in an easy to use squeeze tube. Ideal for Gluing most types of plastic.
CAT# 80-3404-00 – \$8.20
 2-5 – \$7.80
 6 or more – \$7.20

Stripheater for Bending Acrylic Model EMX-2



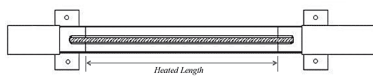
48"(122 cm) Working Area. 7" Width (18 cm). This heavy duty stripheater is designed to place a narrow strip of heat on an acrylic plastic sheet until it is soft and pliable enough to bend to the desired form. It is capable of heating sheets up to 1/2" thick.

project Ideas

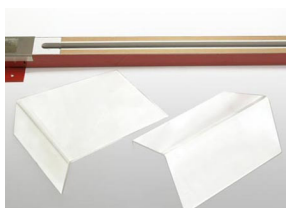
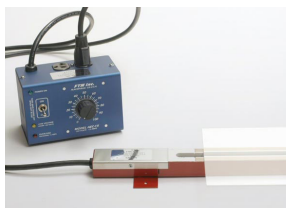


- 110 volts
 - Thermostatically controlled
 - EMX-2 625 watts
 - Pilot light with on/off switch
 - CSA Approved
 - Sturdy sheet metal construction
 - Maximum temperature 450°F
- CAT# 80-4816-00** – \$458.00
 2 or more – \$417.00

Straightline Benders



CAT #	HEATED LENGTH / WIDTH	PRICE
25-0FS-24	24"/1/2" GAP	\$441.00
25-0FS-48	48"/1/2" GAP	\$648.00
25-0FS48/4	48"/1/4" GAP	\$746.00
25-0FS-72	72"/1/2" GAP	\$876.00
25-0FS-96	96"/1/2" GAP	\$1013.00
25-0FS-120	120"/1/2" GAP	\$1612.00



These free-standing heat trays are designed to give constant professional bends while working with all types of Thermoplastic materials. It is capable of heating up to 1/2" thick material. They run on standard 120 volt and have a maximum temperature of 800° f (426°C).

Power Controls 15amp/120 volt



These controls supply infinite control for AC power over the full range of input voltage. Adjustment of the input voltage accomplishes precise control, allowing exact matching of power to load requirements.
CAT# 25-0AEC-15 – \$476.00

Teaching Techniques Book

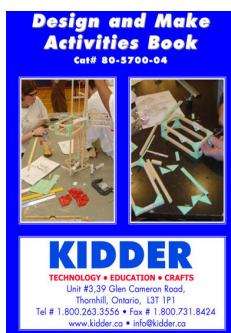


Each activity in this book contains a teachers page and photocopiable student pages. Focus is on open ended problem solving using moving models.

CAT# 80-5700-03

\$10.55

Design and Make Activities

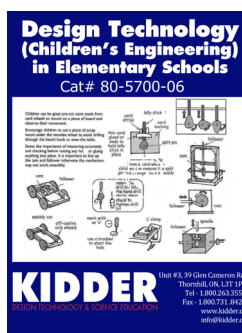


A photocopiable resource that contains 12 indexed sections to cover Science and Technology design and make project work. Full of ideas, challenges and hints and tips. Subjects covered include levers, electricity, hydraulic, simple machines, alternative energy and much more.

CAT# 80-5700-04

\$39.70

Design Technology Elementary Engineering

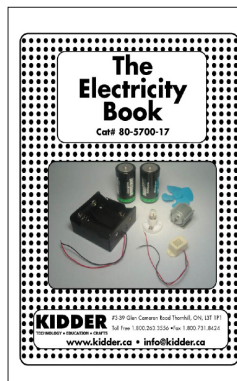


An invaluable aid for the busy teacher. These help sheet contain teacher's notes with lots of sketches showing process and techniques. Each sheet deals with a theme and suggests ideas, tasks and activities for it.

80-5700-06

\$13.00

The Electricity Book

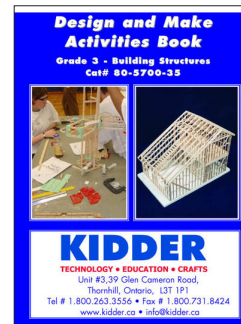


An introduction to simple circuits and making your own switches with plenty of illustrated examples to stimulate classroom activities, including bulbs, motors, buzzers and batteries. 20 pages

CAT# 80-5700-17

\$10.95

Design and Make Activities Book Building Structures

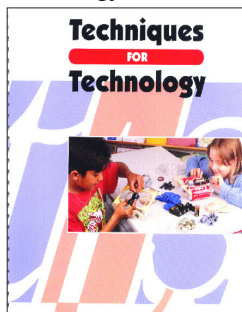


This book contains information on the safe use of tools, and an introduction to popular materials. There are many activities on building and testing strength design. It also includes many helpful techniques.

CAT# 80-5700-35

\$19.90

Techniques for Technology

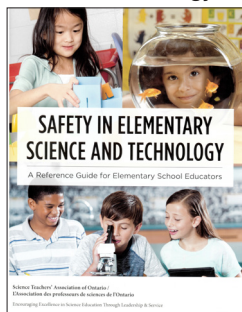


This book contains ideas hints and tips and challenges for the student new to design and make Technology.

CAT# 80-5702-00

\$35.90

Safety in Elementary Science & Technology



This 109 page resource is the result of a partnership with TDSB. It was written by teachers for teachers and administrators, to provide guidance for the safe delivery of hands on science and technology programs to students. If you want a single reference source for dealing with safety in the elementary classroom, this is the one for you.

CAT# 80-5711-00

\$20.95

Safe On Science



This book was written by STAO/APSO's Safety Committee, a panel of experienced teachers with a strong background in science safety. Topics include legislation, general safety considerations, emergency procedures, classroom considerations and specific consideration for Physics, Chemistry and Biology.

CAT# 80-5710-EN

English - \$16.75

CAT# 80-5710-FR

French - \$16.75

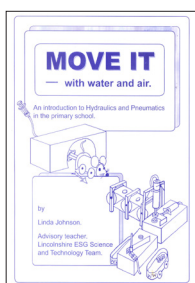
Look What you Can Make with Craftsticks



This book features large, full-color photographs, simple step-by-step instructions, and a wealth of ideas parkers that will yield hours of craft-making fun. More than 80 pictured crafts and dozens of other ideas in every book. Crafty kids, parents and teachers will love these projects.

CAT# 70-1400-02

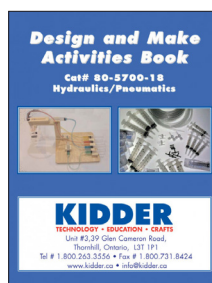
\$7.15



MOVE IT! with Air or Water

An introductory book design for primary and junior students. The ideas, hints and tips provide a resource for making movement using syringes and balloons.

CAT# 80-5700-11 - \$10.95

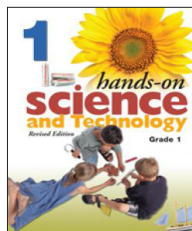


Hydraulics/Pneumatics

This book is a great intro to Fluids Hydraulics/ Pneumatics. Learn how to build a Hydraulic System, about "closed" and "open" systems, Action and reaction among many other concepts.

CAT# 80-5700-18 - \$11.55

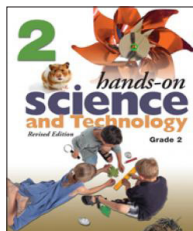
Hands on Science and Technology Series-Ontario Curriculum.
Revised to match the new Ontario science and technology curriculum.



Grade 1 Resource
CAT# 80-5796-G1

Unit 1
Needs and Characteristics of Living Things
Unit 2
Materials, Objects, and Everyday Structures
Unit 3
Energy in Our Lives
Unit 4
Understanding Earth and Space Systems

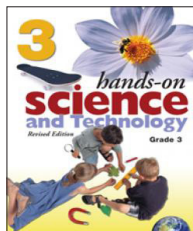
\$136.00



Grade 2 Resource
CAT# 80-5796-G2

Unit 1
Growth and Changes in Animals
Unit 2
Movement
Unit 3
Properties of Liquids and Solids
Unit 4
Air and Water in the Environment

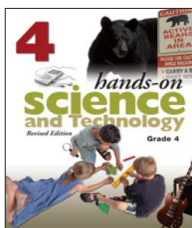
\$136.00



Grade 3 Resource
CAT# 80-5796-G3

Unit 1
Growth and Changes in Plants
Unit 2
Strong and Stable Structures
Unit 3
Forces Causing Movement
Unit 4
Soils in the Environment

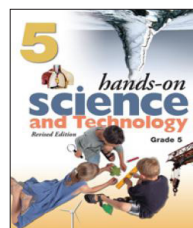
\$136.00



Grade 4 Resource
CAT# 80-5796-G4

Unit 1
Habitats and Communities
Unit 2
Pulleys and Gears
Unit 3
Light and Sound
Unit 4
Rocks and Minerals

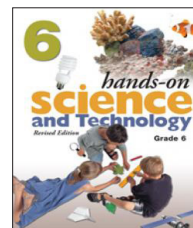
\$136.00



Grade 5 Resource
CAT# 80-5796-G5

Unit 1
Human Organ Systems
Unit 2
Forces Acting on Structures and Mechanisms
Unit 3
Properties of and Changes in Matter
Unit 4
Conservation of Energy and Resources

\$136.00



Grade 6 Resource
CAT# 80-5796-G6

Unit 1
Biodiversity
Unit 2
Flight
Unit 3
Electricity and Electrical Devices
Unit 4
Space

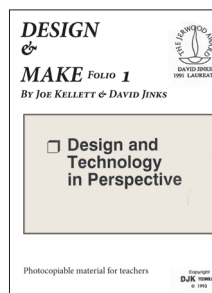
\$136.00

The Hands-On Science and Technology series is an instructional program for teachers of grades 1 to 6 science. Based on recent research in science education, Hands-On Science and Technology assists teachers in developing students' scientific literacy through active inquiry, problem solving, and decision-making.

The program is activity-based and child-centred, meaning that students are engaged in hands on activities in a real-life context to explore the world around them. Using themes from the Ontario Curriculum Grades 1-8 Science and Technology (2007), the Hands On Science and Technology series provides instructional support for teachers.

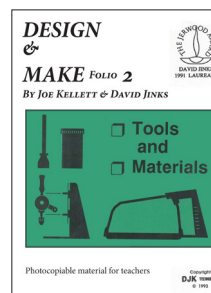
Each grade-level resource has four instructional units. Each unit is complete with suggested websites and books for children, science vocabulary lists, science background information, detailed lesson plans focusing on specific curricular expectations, and blackline masters for lesson visuals and activity sheets. The resource guide also offers a comprehensive and authentic assessment plan that focuses on the Achievement Levels outlined in the Ontario Science and Technology Curriculum.

Design and Make Folios



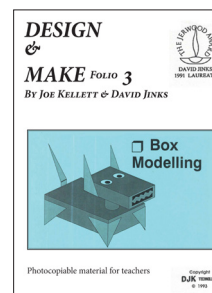
CAT# 8057JINK01
Technology in Perspective

\$15.95



CAT# 8057JINK02
Tools and Materials

\$15.95



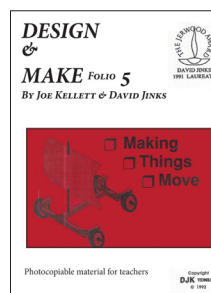
CAT# 8057JINK03
Box Modelling

\$15.95



CAT# 8057JINK04
Frames and Structures

\$15.95



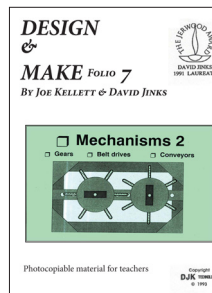
CAT# 8057JINK05
Making Things Move

\$15.95



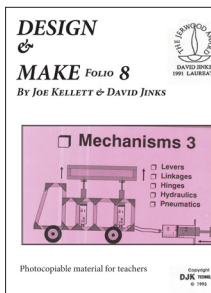
CAT# 8057JINK06
Mechanisms 1
Pulleys, Winches, Cams

\$15.95



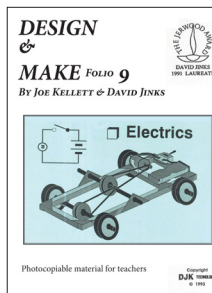
CAT# 8057JINK07
Mechanisms 2
Gears, Belts, Conveyors

\$15.95



CAT# 8057JINK08
Mechanisms 3
Levers, Hinges, Fluidics

\$15.95



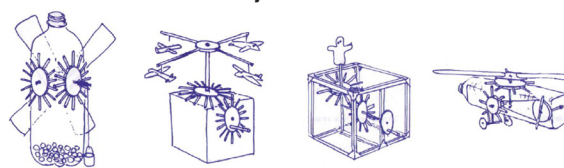
CAT# 8057JINK09
Electric's

\$15.95

This is a series of 10 photocopiable booklets for teachers that cover many aspects of technology education. The folios contain a wealth of information for the elementary classroom focusing on the "Jinks construction systems" pioneered by David Jinks. Each folio is based on his successful professional development courses for teachers. These are the definitive books to help all teachers in the field.

Complete set of 9 Books
CAT# 805457JKAL – \$140

Head over to kidder.ca/pdf for STEAM/Maker Project ideas and instructions.

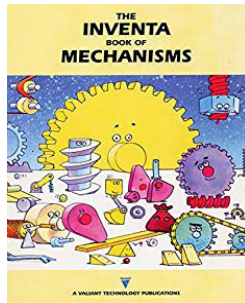


Doc Fizzix Mousetrap Racers



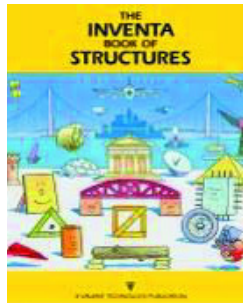
Kids are naturally curious. They love to build stuff and projects that involve cars will entertain children for hours. In this guide written by a Teacher of the Year winner, your kids will learn how to construct race cars from ordinary, affordable household materials, while learning the science behind how they work, in language easy enough for a 7th grader to understand.
CAT# 80-5758-00
\$19.05

The Inventa Book of Mechanisms



This book explores the development and concepts involved in a range of basic mechanisms including pulleys, gears, levers and ramps. It uses clever cartoons and illustrations to describe some complex concepts in an accessible manner.
CAT# 80-5700-01
\$43.10

The Inventa Book of Structures



An excellent resource for teachers to gain some valuable insight into structures. This book uses illustrations to explain concepts in a way that is clear, straight-forward and easy to understand.
CAT# 80-5700-02
\$46.90

Rockets



A Teacher's Guide with Activities in Science, Mathematics, and Technology. This manual is loaded with information on the history of rocket and rocket principles. It has several activities some of which are Rocket Racer, Newton Car, Bottle Rocket launcher, and Balloon Staging. It also lists suggested readings. It is compiled by NASA.
CAT# 80-5746-00
\$46.90

Rubber Band Cars



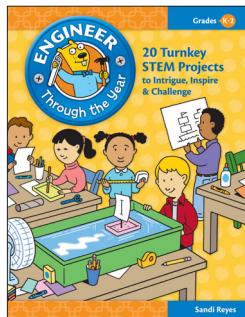
Combining fun and interactive activities, this guide will have kids captivated for hours constructing fantastic racing cars with the basics of only rubber bands, cardboard, and glue. These simple instructions with templates allow budding engineers to gain hands on experience as they learn how to build a basic racer and make modifications to get better performance.
CAT# 80-5779-00
\$16.70

Wood Pallet Projects



Lumber prices are soaring, and deforestation is a rising concern. Yet millions of pounds of perfectly usable wood are dumped in landfills every year. Maverick craftsman Chris Gleason combines sound woodworking techniques with a hip designer's sensibility to unleash the limitless possibilities of the common skid.
CAT# 70-1400-01
\$25.65

Engineer through the year Grades K-2



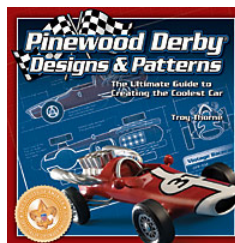
This book inspires every student with real-world, hands on engineering challenges. Build on children's natural curiosity to develop critical thinking, creativity, collaboration, communication, and problem-solving skills.
CAT# 80-5700-55
\$34.00

Engineer through the year Grades 3-5



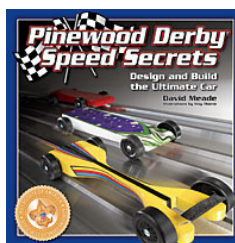
Is it possible to develop basic engineering skills as early as grades 3-5 without adding to the existing curriculum? You bet! The exciting challenges in this book bring out children's natural curiosity. With Engineer Through the Year, students build engineering skills all year long.
CAT# 80-5700-56
\$35.70

Pinewood Derby Designs & Patterns



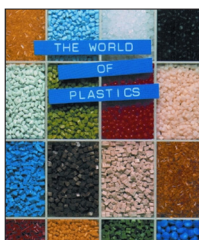
Build the coolest car in the pinewood derby. This guide provides 34 amazing patterns and designs along with step by step instructions for building a High Wing Racer, a Stock Car and a Vintage Racecar.
CAT# 80-5793-00
\$19.45
See Pine Derby Supplies Page 8.

Pinewood Derby Speed Secrets



This book has hundreds of colour photographs, and clear diagrams and illustrations. The step by step instructions enable readers to build the car body, prepare the axles and improve the wheels with minimum tools.
CAT# 80-5792-00
\$19.45
See Pine Derby Supplies Page 8.

The World Of Plastics



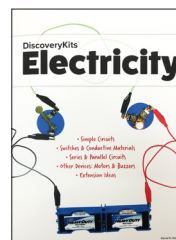
The World of Plastics is a well-illustrated book excellent for polymer technology trade and science chemistry teachers.
CAT# 80-5719SP1
\$12.95

Great Book of Wooden Toys



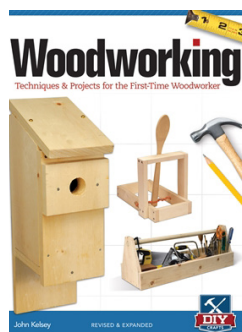
Step-by-step instructions for making 15 popular wooden items. Suitable for beginners & children age 7 & up.
CAT# 70-1463-01
\$21.25

Electricity Teachers Book



This booklet is designed to provide a variety of activities that introduce students and teachers to simple electricity concepts and the electrical properties of matter.
CAT# 80-5795-00
\$15.00

Woodworking



Woodworking is a useful and enjoyable skill that anyone can learn. If you have ever wished you knew how to make things out of wood, this book is the perfect place to start. You'll be amazed at how simple it is to build fun and practical wooden items as you work through the easy lessons inside.

CAT# 70-1491-00 – \$16.90

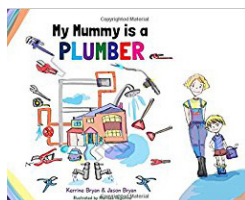
The Big Book of Weekend Woodworking



Woodworking is a useful and enjoyable skill that anyone can learn. If you've ever wished you knew how to make things out of wood, this book is the perfect place to start. You'll be amazed at how simple it is to build fun and practical wooden items as you work through the easy lessons inside. Each of the woodworking projects in this book can be completed in just a few hours.

CAT# 70-1497-00 – \$26.20

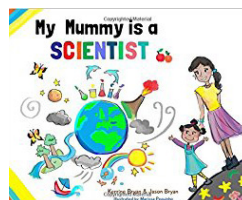
My Mummy is a Plumber



Introducing children to the enjoyable world of Plumbing, through fun rhyme and colourful illustrations. In this story, Mummy always saves the day with her plumbing skills. Follow this child's journey as his mum, a Plumber, helps Mrs Platt from the upstairs flat, who's nail goes through a pipe, and Suzy pane from Chudberry Lane, who's toilet had got blocked.

CAT# 80-5700-72 – \$19.95

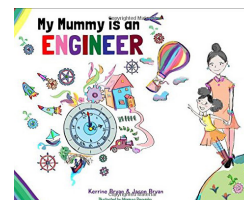
My Mummy is a Scientist



Introducing children to a variety of careers, whilst reducing gender bias in professions. This book introduces children to the varied world of science. It aims to not only educate but also inspire. This rhyming picture book is all about a Mummy's work as a Scientist. From understanding the workings of the body, to studying the stars; this book covers many areas of science.

CAT# 80-5700-73 – \$19.95

My Mummy is an Engineer



This book introduces children to the exciting world of engineering; creating real things that once were dreams. It will not only educate, but also inspire. This story is all about a Mummy's adventure as an engineer, from working with her team in the office to visiting a construction site. It covers various fields of engineering including electrical, civil and mechanical.

CAT# 80-5700-71 – \$19.95

Smithsonian STEM Lab Book

NEW

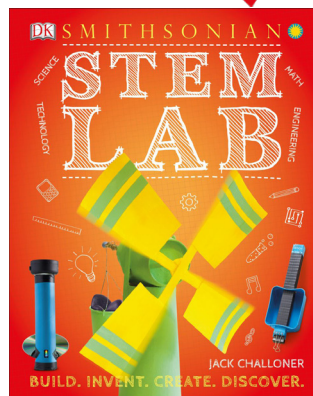


This DK children's book for ages 11-14 is brimming with exciting, educational activities and projects that focus on electronics and technology. Keep your siblings out of your room with a brilliant bedroom alarm, power a propeller motorboat, make a thermoelectric phone charger, build a set of speakers, and construct a crane.

CAT# 80-5700-75 – \$26.00

Smithsonian Tech Lab Book

NEW

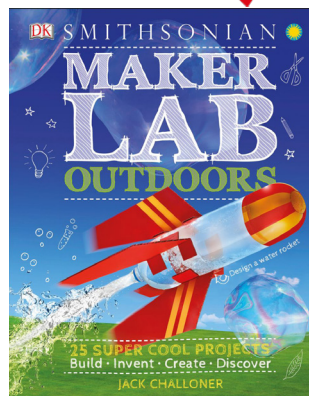


Explore and discover how science, technology, engineering, and maths shape the world around us with 25 hands-on experiments for curious kids. From racing wind-up cars and building a sturdy sandcastle to creating a wave machine and making music with a homemade guitar, STEM Lab is packed with 25 exciting STEM activities.

CAT# 80-5700-76 – \$26.00

Smithsonian Maker Lab Outdoors

NEW

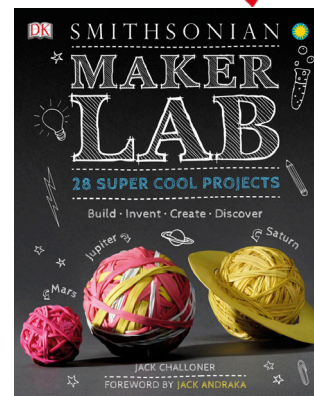


Twenty-five science projects and experiments to be done outside will spark kids' creativity and help them develop science skills through hands-on learning. Projects focus on Earth and the environment, plants and animals, weather, water, and physics, bringing science learning home and into the backyard.

CAT# 80-5700-77 – \$26.00

Smithsonian Maker Lab

NEW



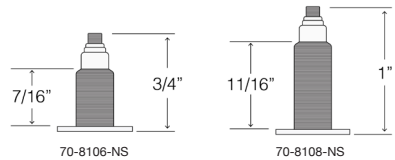
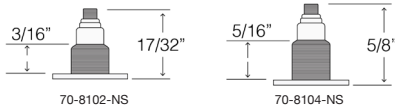
Supporting STEAM education initiatives and the Maker Movement, the National Parenting Publication Award-winner Maker Lab includes 28 kid-safe projects and crafts that will get young inventors' wheels turning and make science pure fun. Each step-by-step activity is appropriate for kids ages 8-12, and ranked easy, medium, or hard, with an estimated time frame for completion.

CAT# 80-5700-78 – \$26.00

Mini Quartz Movement RD Series



Whether you are a hobbyist or serious clock maker, our movement will fit your needs. Perfect for clock hands under 5" long. It runs on one "AA" battery. To choose the proper shaft length, carefully measure the thickness of the material the movement shaft will go through and find the appropriate model in the table above. Hands included. See page 58.
 Demimensions – 2 1/8 x 2 1/8 x 5/8



CAT #	SHAFT LENGTH	FOR DIALS UP TO
70-8102-NS	6mm (3/16")	5 mm (1/8")
70-8104-NS	10mm (5/16")	6 mm (1/4")
70-8106-NS	12mm (7/16")	9 mm (3/8")
70-8108-NS	19mm (11/16")	18 mm (5/8")

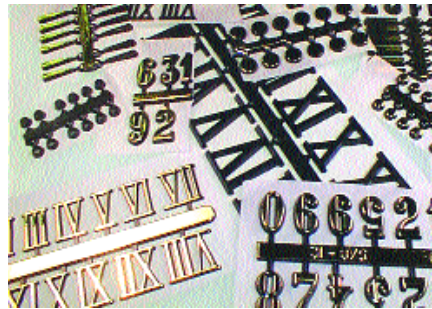
QTY	PRICE
1	\$7.05
2-5	\$5.85
6-19	\$5.35

Assorted Hand Packs



CAT# 70-5412-20 20 Set Pack – \$31.95
 CAT# 70-5412-50 50 Set Pack – \$51.00

Numeral Packs



CAT# 70-5409-20 20 Set Pack – \$24.50
 CAT# 70-5409-50 50 Set Pack – \$42.50

MP Pendulum Movements



1	2-5	6+
\$17.65	\$15.85	\$13.75

This is our smallest pendulum movement and has been "standard" in the market for years. You can choose from 3 shaft lengths and 3 sizes of pendulum bobs. All pendulums consist of a 16" adjustable pendulum. You can easily trim the pendulum rod to any length under 16". All models have a 5/16" shaft diameter and include an hour and minute hand. A second hand can be purchased for an additional cost.

SEE HAND SELECTION ON PAGE 58.

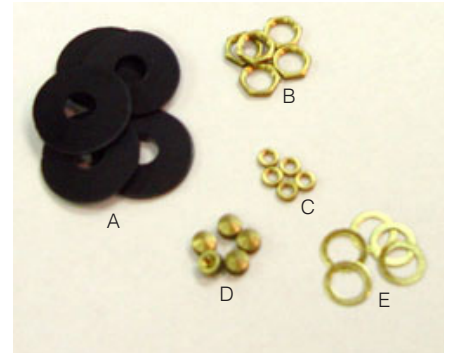
CAT#	SHAFT LENGTH
70-6112-MS	10mm (5/16")
70-6012-MS	16 mm (7/16")
70-6212-MS	22 mm (11/16")

Forstner Bit



This will make a hole to fit the RD mini movements.
 Bit diameter is 3 1/8"
 CAT # 70-3802-00
 \$32.50
 See page 67 for more sizes.

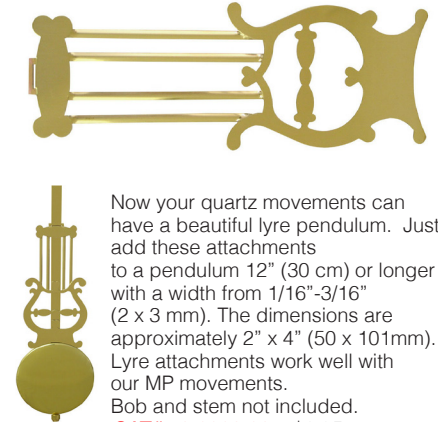
Extra Hardware



Highlighted hardware is the standard hardware for the mini movements. \$2.95

FIG	CAT#	PRODUCT	SIZE
A	70-2126-00	Rubber Washers	all movements
B	70-2124-00	Hex Nuts	5/16" shaft
C	70-2119-00	Minute Nuts	RD Movements + HT
C	70-2120-00	Minute Nuts	for MP & Movements
D	70-2113-10	Cap Nuts	for MP & Movements
D	70-2114-10	Cap Nuts	RD Movements + HT
E	70-2125-00	Brass Washers	7/16" x 5/16"

Lyre Attachments



Now your quartz movements can have a beautiful lyre pendulum. Just add these attachments to a pendulum 12" (30 cm) or longer with a width from 1/16"-3/16" (2 x 3 mm). The dimensions are approximately 2" x 4" (50 x 101mm). Lyre attachments work well with our MP movements. Bob and stem not included.
 CAT# 70-0026-00 – \$2.85

Clock Kit 20 Student Class Pack



This class pack includes 20 clock movements with assorted shaft lengths, hands, second hands and batteries.
 CAT# 70-5405 – \$119.00

Suggested Project



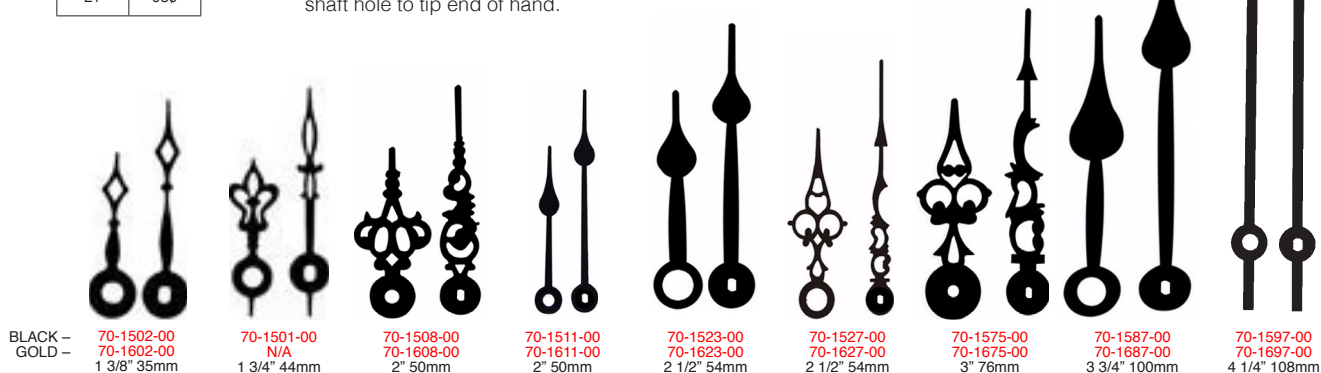
Swiss Cottage Clock Plans
 70-1428-PL – \$5.95

Hour & Minute Hands

QTY	PRICE
1	\$1.10
2+	95¢

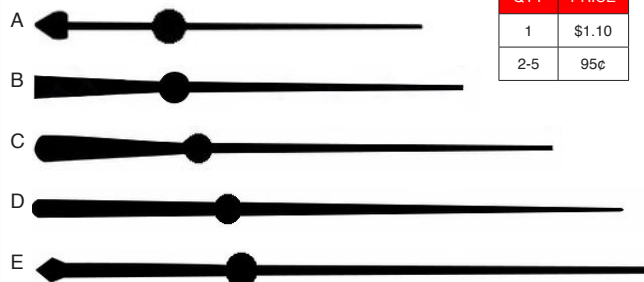


To determine hand length measure from centre of dial to time ring. The minute hand is measured from shaft hole to tip end of hand.



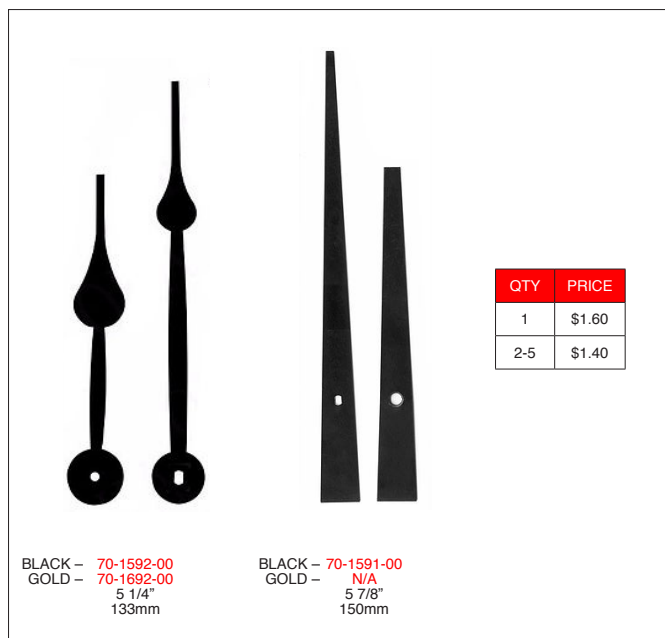
BLACK – 70-1502-00 GOLD – 70-1602-00 1 3/8" 35mm	70-1501-00 N/A 1 3/4" 44mm	70-1508-00 70-1608-00 2" 50mm	70-1511-00 70-1611-00 2" 50mm	70-1523-00 70-1623-00 2 1/2" 54mm	70-1527-00 70-1627-00 2 1/2" 54mm	70-1575-00 70-1675-00 3" 76mm	70-1587-00 70-1687-00 3 3/4" 100mm	70-1597-00 70-1697-00 4 1/4" 108mm
--	----------------------------------	-------------------------------------	-------------------------------------	---	---	-------------------------------------	--	--

Second Hands



QTY	PRICE
1	\$1.10
2-5	95¢

FIG	LENGTH	GOLD	BLACK	RED
A	1 3/8" (34mm)	70-1723-00	70-1724-00	70-1725-00
B	2 3/8" (60 mm)	70-1719-00	70-1720-00	70-1721-00
C	2 3/4" (70 mm)	70-1707-00	70-1709-00	70-1708-00
D	3 3/8" (86 mm)	70-1714-00	70-1716-00	70-1715-00
E	4 3/8" (112 mm)	N/A	N/A	70-1712-00



QTY	PRICE
1	\$1.60
2-5	\$1.40

BLACK – 70-1592-00
GOLD – 70-1692-00
5 1/4" 133mm

BLACK – 70-1591-00
GOLD – N/A
5 7/8" 150mm

ENGbox-k

Junior Engineering Box, Clock Parts

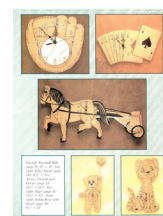
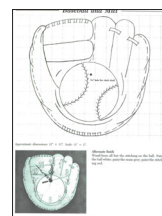
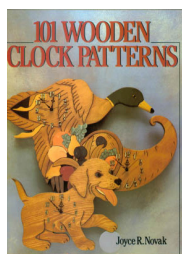


This class pack includes 20 clock movements with assorted shaft lengths, hands, second hands and batteries. Includes pendulum, pendulum rod and bob and numerals.

CAT# ENGBXK – CA\$245.00

101 Wooden Clock Patterns Book

Limited edition



Wooden Clock Ideas.

Full patterns for 101 amazing designs. Easy to follow directions with list of tools needed.

CAT # 70-1414-00 – \$24.95

High Torque “AA” Movement (HT SERIES)



This movement is capable of running the longest hands on the market. Great for applications where silence is important, or a large continuous sweep second hand is needed. Case dimensions 2 1/8" square x 5/8" depth. It uses 1 "AA" cell battery (cat.# 70-3201) Hands are sold separately and are available in black only.
CAT# 70-0904BHT – 5/16" Shaft Length (dials up to 1/4")
CAT# 70-0906BHT – 7/16" Shaft Length (dials up to 3/8")
CAT# 70-0907BHT – 5/8" Shaft Length (dials up to 1/2")
CAT# 70-0908BHT – 11/16" Shaft Length (dials up to 5/8")
 1 pc – \$10.75
 2-5 pcs – \$9.60
 6 or more – \$8.95
 Hands sold separately

High Torque Hands



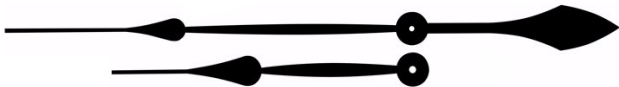
CAT# 70-M1596 8" (203MM) \$4.15



CAT# 70-M1595 8 1/4" (210MM) \$4.15



CAT# 70-M1599 9.5 (243MM)" \$7.15



CAT# 70-M1598 14" (348MM) \$8.55

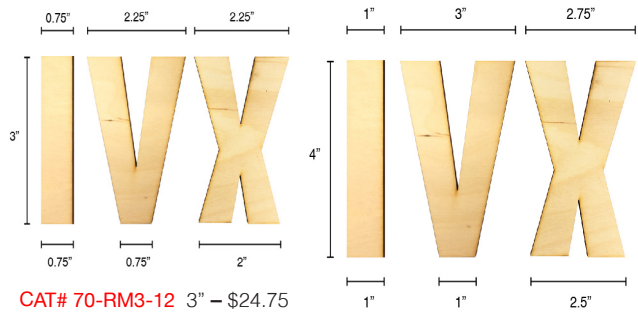


CAT# 70-M1594 12" (305MM)\$7.70



CAT# 70-M1593 17.75" (452MM) \$9.65

Wooden Roman Clock Numerals 12 digit Set, 1/8" thick



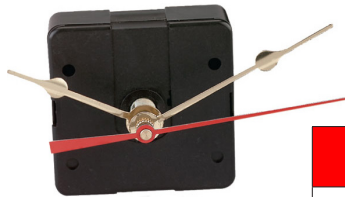
Numerals can be custom painted.

Numeral Placement Indicator



Measure up to 1meter on a wall to easily place numbers or markers.
70-2147-00 – 75¢

Set & Forget Movements



QTY	PRICE
1	\$13.20
2-5	\$11.55
6+	\$10.85

CAT#	MAXIMUM DIAL LENGTH
70-9112-00	5mm (3/16")
70-9114-00	16 mm (5/8")

Set & Forget is a patented technology that makes clocks automatically spring forward and fall back when the Daylight Saving Time change occurs twice a year. No radio signals required. This quartz clock movement contains an internal microchip calendar that is pre programmed until the year 2098, so you'll won't need to manually set the date. Features an encapsulated gear train inside the clock movement, designed to keep debris out of the gears for years of trouble-free operation.

Clock Hub



Create a personalized wall clock with this metal clock hub. This unit conceals a non-pendulum quartz clock movements and includes cover, backplate, screws, and built-in hanger. Unit is 4" in diameter and will work with the high torque movements or regular RD movements. We recommend using this hub with our short shaft high torque movement **70-0904BHT**.
CAT# 70-2142-HT – \$5.25
 2 or more – \$4.75

SELF ADHESIVE NUMERALS

12 Digit

Arabic



CAT #	COLOUR	SIZE
70-3008-00	Gold	3/8" (10 mm)
70-2908-00	Black	3/8" (10 mm)
70-3009-00	Gold	1/2" (13 mm)
70-2909-00	Black	1/2" (13 mm)
70-3010-00	Gold	5/8" (16 mm)
70-2910-00	Black	5/8" (16 mm)
70-3011-00	Gold	3/4" (19 mm)
70-2911-00	Black	3/4" (19 mm)
70-3012-00	Gold	1" (25 mm)
70-2912-00	Black	1" (25 mm)
70-3013-00	Gold	1 1/4" (32 mm)
70-2913-00	Black	1 1/4" (32 mm)

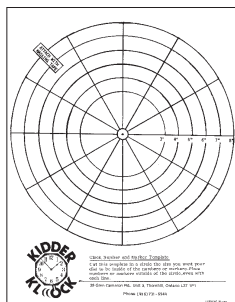
Roman



CAT #	COLOUR	SIZE
70-3022-00	Gold	3/8" (10 mm)
70-2922-00	Black	3/8" (10mm)
70-3023-00	Gold	1/2" (13 mm)
70-2923-00	Black	1/2" (13 mm)
70-3024-00	Gold	5/8" (16 mm)
70-2924-00	Black	5/8" (16 mm)
70-3025-00	Gold	3/4" (19 mm)
70-2925-00	Black	3/4" (19 mm)
70-3026-00	Gold	1" (25 mm)
70-2926-00	Black	1" (25 mm)
70-3027-00	Gold	1 1/4" (32 mm)
70-2927-00	Black	1 1/4" (32 mm)

1 Set – \$1.55
2 or more – \$1.40

Request your free template.



CAT# 80-5908-00

Head to www.kidder.ca for more Numeral options.

4 Digit

Arabic



CAT #	COLOUR	SIZE
70-3001-00	Gold	3/8" (10 mm)
70-2901-00	Black	3/8" (10 mm)
70-3002-00	Gold	1/2" (13 mm)
70-2902-00	Black	1/2" (13 mm)
70-3003-00	Gold	5/8" (16 mm)
70-2903-00	Black	5/8" (16 mm)
70-3004-00	Gold	3/4" (19 mm)
70-2904-00	Black	3/4" (19 mm)
70-3005-00	Gold	1" (25 mm)
70-2905-00	Black	1" (25 mm)
70-3006-00	Gold	1 1/4" (32 mm)
70-2906-00	Black	1 1/4" (32 mm)

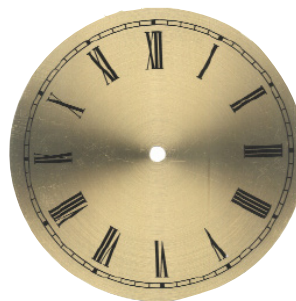
Roman



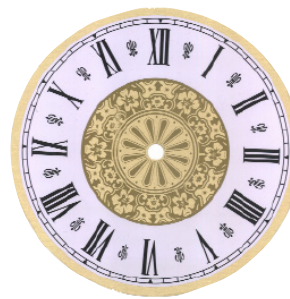
CAT #	COLOUR	SIZE
70-3015-00	Gold	3/8" (10 mm)
70-2915-00	Black	3/8" (10 mm)
70-3016-00	Gold	1/2" (13 mm)
70-2916-00	Black	1/2" (13 mm)
70-3017-00	Gold	5/8" (16 mm)
70-2917-00	Black	5/8" (16 mm)
70-3018-00	Gold	3/4" (19 mm)
70-2918-00	Black	3/4" (19 mm)
70-3019-00	Gold	1" (25 mm)
70-2919-00	Black	1" (25 mm)
70-3020-00	Gold	1 1/4" (32 mm)
70-2920-00	Black	1 1/4" (32 mm)

1 Set – 75¢
2 or more – 70¢

Roman Dials



CAT#	SIZE	SUGGESTED HANDS	PRICE
70-2386-00	200mm (7 7/8")	70-1587-00	\$6.30
70-2383-00	178mm (7")	70-1541-00	\$6.10
70-2382-00	150mm (6")	70-1523-00	\$5.90
70-2326-RM	128mm (5")	70-1511-00	\$4.15

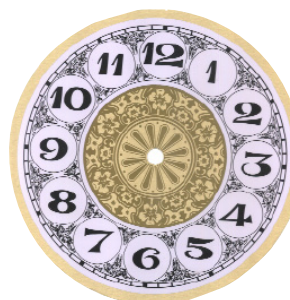


CAT#	SIZE	SUGGESTED HANDS	PRICE
70-2319-50	200mm (7 7/8")	70-1587-00	\$9.00
70-2319-07	178mm (7")	70-1541-00	\$7.65
70-2319-01	150mm (6")	70-1523-00	\$6.95

Arabic Dials

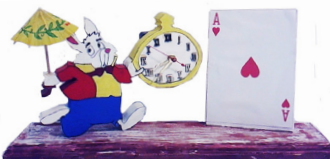


CAT#	SIZE	SUGGESTED HANDS	PRICE
70-2328-00	200mm (7 7/8")	70-1587-00	\$7.60
70-2381-00	178mm (7")	70-1541-00	\$6.00
70-2384-00	150mm (6")	70-1523-00	\$5.50
70-2326-AR	128mm (5")	70-1511-00	\$4.15



CAT#	SIZE	SUGGESTED HANDS	PRICE
70-2318-08	200mm (7 7/8")	70-1587-00	\$8.40
70-2318-02	178mm (7")	70-1541-00	\$7.65
70-2318-00	150mm (6")	70-1523-00	\$6.95
70-2300-27	107mm (4 1/4")	70-1511-00	\$4.50

Project Ideas



Pictures courtesy of
Mr. D's class at
Bayview Middle School

Head to www.kidder.ca for more dial & glass bezel options.

37mm (1 7/16") Inserts in Various Styles

All of our watch inserts use a Seiko watch movement and come with battery already installed. All models have a crystal glass lense, stainless steel back cover and alloy bezel plated gold or silver color. Mix & match for quantity pricing. These inserts have a 1 3/8" (35mm) mounting diameter (use forstner bit **70-3813-00**) and a 1 7/16" (37mm) outside diameter. You can mix and match for quantity pricing. Battery (**70-3214-00**) is included.



70-1150-00



70-1150-SI



70-1152-BK



70-1152-GD



70-1150-CR

1 7/16"	
QTY	PRICE
1	\$11.25
2-5	\$10.15
6-up	\$9.00



70-1150-BK



70-1152-00



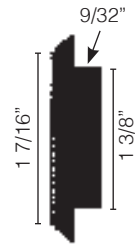
70-1152-CR



70-1152-SI



70-1150-GD



Insert Battery



CAT# 70-3214-00
1 - \$1.60
2-5 - \$1.40
6 or more - \$1.20

Design Ideas



See forstnet bits on page 66.

50mm (2") Diameter Inserts

All of our watch inserts use a Seiko watch movement and come with battery already installed. All models have a crystal glass lense, stainless steel back cover and alloy bezel plated gold. Mix & match for quantity pricing. These inserts have a 1 13/16" mounting diameter. Use forstner bit **70-3834-00**. You can mix and match for quantity pricing. Battery (**70-3214-00**) is included.



70-1159-00
White Arabic

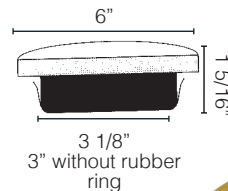


70-1158-00
White Roman

1	2-5	6+
\$13.50	\$12.00	\$10.10

Inserts 152mm (6") Diameter

All of our clock inserts use a standard quartz clock movement that use a regular "AA" battery. These 152mm (4 1/4") inserts have a 79 mm (3 1/8") mounting diameter (forstner bit **70-3802-00**) and take an AA battery (**70-3201-00**). Battery not included. You can mix and match for quantity pricing.



6"	
QTY	PRICE
1	\$21.85
2-5	\$19.95



70-110020M



70-110023M



70-110026M

Inserts 70mm 2 3/4" Diameter

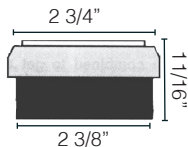
All of our clock inserts use a standard quartz clock movement that use a regular "AA" battery. These 70mm (2 3/4") inserts have a 61mm (2 3/8") mounting diameter (forstner bit [70-3823-00](#)) and take an AA battery ([70-3201-00](#)) Battery not included. You can mix and match for quantity pricing.



70-1100-08



70-1100-03



70-1100-06



70-1100-01



70-1100-07



70-1100-02

2 3/4"	
QTY	PRICE
1	\$11.25
2+	\$10.15



70-1100-10



70-1100-12

Inserts 90mm 3 1/2" Diameter

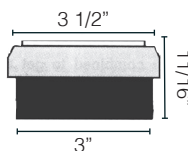
All of our clock inserts use a standard quartz clock movement that use a regular "AA" battery. These 90mm (3 1/2") inserts have a 76mm (3") mounting diameter (forstner bit [70-3816-00](#)) and take an AA battery ([70-3201-00](#)) Battery not included. You can mix and match for quantity pricing.



70-1147-WR



70-1148-WA



70-1147-CR



70-1148-CR



70-1147-00



70-1148-00

3 1/2"	
QTY	PRICE
1	\$11.25
2+	\$10.15



70-1147-FR



70-1148-FA

Inserts 108mm (4 1/4") Diameter

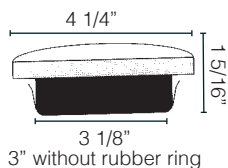
All of our clock inserts use a standard quartz clock movement that use a regular "AA" battery. These 108mm (4 1/4") inserts have a 79 mm (3 1/8") mounting diameter (forstner bit [70-3802-00](#)) and take an AA battery ([70-3201-00](#)). Battery not included. You can mix and match for quantity pricing.



70-1172-MS



70-1148-MS



4 1/4"	
QTY	PRICE
1	\$18.00
2+	\$16.00



70-1184-MS



70-1181-MS

Set & Forget Wall Clock 14"



These wall clocks are perfect for home, office or classroom, any place a time reminder is needed. Maintenance free with a 5-year battery. Patented Set & Forget technology uses a built-in internal calendar to automatically spring the time forward and fall back for Daylight Saving Time (DST).

Features: 5-year battery life Set and Forget automatically adjusts for Daylight Saving Time (DST) Hours / minutes / seconds Arabic numbers.
Power: 3 AA batteries(70-3201-00)
Dimensions: 14.5" diameter x 2" depth.
CAT# 4-16737 – \$50.00

Round Wall Clock 10"



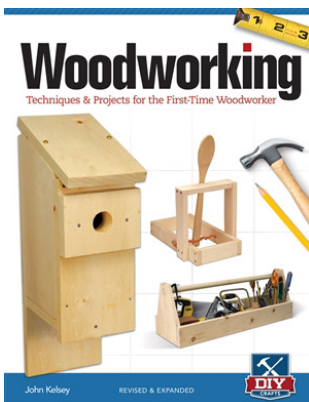
EASY TO CUSTOMIZE THE DIAL!

- Easy-to-read black Arabic numerals
- Black contemporary-style hour and minute hands
- Red sweep second hand for increased visibility

This simple 10" black wall clock features a classic look that's sure to fit into your existing home decor or office style. The larger dial diameter offers excellent visibility and is protected by a high-quality plastic lens and frame. The lens and clock hands can be easily removed for access to the dial and offers the option to switch out the included clock dial for a custom clock face. The included quartz clock movement keeps accurate time and is powered by a single AA battery, sold separately. 10" overall diameter (measured from the outside edge of the frame) 8 7/16" dial diameter.
CAT# 4-14036 – \$15.65

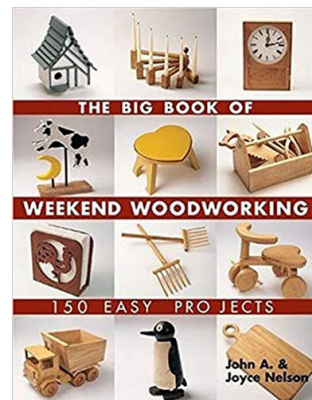
- Requires 1 AA battery, sold separately #45001
- The back has a notch for easy hanging
- 2 year warranty

Woodworking



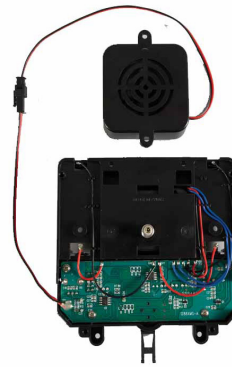
Woodworking is a useful and enjoyable skill that anyone can learn. If you have ever wished you knew how to make things out of wood, this book is the perfect place to start. You'll be amazed at how simple it is to build fun and practical wooden items as you work through the easy lessons inside.
CAT# 70-1491-00 – \$16.90

The Big Book of Weekend Woodworking



Woodworking is a useful and enjoyable skill that anyone can learn. If you've ever wished you knew how to make things out of wood, this book is the perfect place to start. You'll be amazed at how simple it is to build fun and practical wooden items as you work through the easy lessons inside. Each of the woodworking projects in this book can be completed in just a few hours.
CAT# 70-1497-00 – \$26.20

Tubular 5 Chime Movement



This 5 chime movement simulates tubular bell sound with superior sound quality.

- Plays Westminster, Ave Maria, Bim Bam, or Gong on the hour and quarter hours.
- Volume control & night silencer
- 15 1/2" Lead Wires
- Shaft Diameter: 3/8"
- 2 shaft lengths available
- Movement Size: 4 7/16"H x 4 5/8"W x 1 1/4"D
- Chime Case Size: 3 1/16"H x 2 5/16"W x 1 1/4"D
- 16" pendulum can be cut to length
- Free pair of hands (see pg. 61)
- Requires two C batteries (70-3203-00)

CAT#	SHAFT LENGTH	PENDULUM	1	2-5	6+
70-4301-00	3/8" (10 mm)	no pendulum	\$61.00	-	-
70-4601-00	11/16" 17.5mm	no pendulum	\$59.00	\$57.50	-
70-4313-00	3/8" (10 mm)	with pendulum	\$63.00	-	-
70-4613-00	11/16" 17.5mm	with pendulum	\$63.00	\$59.50	\$56.00

Weather Instruments

These weather instruments have a 70mm OD (2 3/4") and a 60mm (2 3/8") mounting diameter (use forstner bit 70-3823-00).

Hygrometer



CAT#70-3602-00 – \$20.50

Thermometer



CAT#70-3603-00 – \$20.50

Barometer



CAT#70-3601-00 – \$29.90



Design Idea

These weather instruments have a 37mm OD (1 7/16") and a 35mm (1 3/8") mounting diameter. (use forstner bit 70-3813-00).

Hygrometer



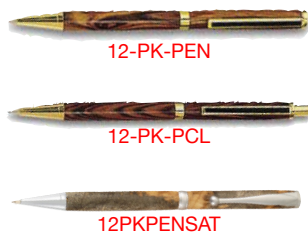
CAT#70-3619-00 – \$11.15

Thermometer



CAT#70-3618-00 – \$13.40

Slimline Pen Kits



12-PK-PEN

12-PK-PCL

12PKPENSAT



12PKPCLSAT

12PKPENA2B

12PKPCLA2B

These Slimline kits are the easiest to make and ideal for the beginner as well as advanced turner. The pens use Cross style refills and the pencils all have 0.7mm trouble-free lead mechanisms.

Use bushing 12PKMBUSH3 and drill bit 12-PK-7MM.

PEN BLANKS NOT INCLUDED.

CAT#	DESCRIPTION	1	2-5	6-19	20-49	50+
12-PK-PEN	24kt Gold Plated Pen Kits	\$6.00	\$5.55	\$5.25	-	-
12-PK-PCL	24kt Gold Plated Pencil Kits	\$7.50	\$6.95	\$6.55	\$6.00	\$5.80
12PKPENSAT	Satin Pen Kit	\$4.75	\$4.40	\$4.15	\$3.80	\$3.55
12PKPCLSAT	Satin Pencil Kit	\$7.25	\$7.05	\$6.65	\$6.10	\$5.70
12PKPENA2B	Black Enamel Pen Kit	\$5.25	\$4.85	\$4.60	\$4.20	\$3.95
12PKPCLA2B	Black Enamel Pencil Kit	\$8.75	8.10	\$7.65	\$7.00	\$6.55

Economical Funline Pen Kits



12PKSLFN24

12PKSLFNCH

12PKSLFN24

12PKSLFN24

12PKSLFNCO

12PKSLFN24

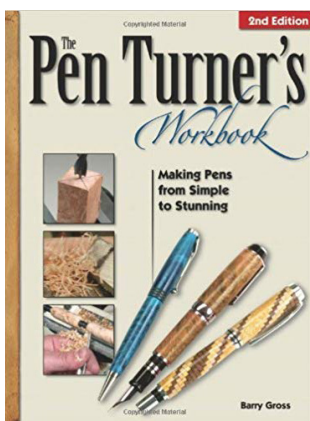
CAT#	DESCRIPTION
12PKSLFN24	Gold Plated
12PKSLFNCH	Chrome Plated
12PKSLFN24	Satin Gold Plated
12PKSLFN24	Satin Pearl Plated
12PKSLFNCO	Copper Plated
12PKSLFN24	Gun Metal Plated

These Slimline pen kits are easy to make, economical, very popular and great for beginners. The colourful plated finishes will appeal to young and old. Pen kit plating options include Economy Gold, Chrome, Copper, Gun Metal, Satin Gold & Satin Pearl. Use bushing 12PKMBUSH3 and drill bit 12-PK-7MM.

\$3.55

2 or more – \$3.35

Pen Turner's Workbook



Expert turner and teacher, Barry Gross, provides the latest techniques in this revised second edition of his best-selling, "Pen Turner's Workbook." New projects and updated information about pen finishes and materials makes this book a must-have addition to the workshop and pen turner's library. CAT# 70-1469-00 – \$26.00

Attractive Desk Pensets 10/pkg



The black pen and funnel is the perfect compliment to your desk set. Use in a design alone or combine with a clock, paper clip, sand timer or other items to make your unique project. The black pen and funnel set is made of high quality plastic with a metal insert for attachment to your project. CAT# 80-4214-ST – \$48.35
2 or more – \$47.00

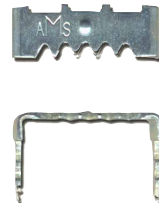
Hanging Devices



70-2602-06



70-2602-01



70-2602-02



70-2602-03



80-4216-00



80-4215-00

CAT#	DESCRIPTION	SIZE	PCS/ PKG	1	2+
70-2602-06	Brass Plated Hanger	13 x 25mm	25	\$1.75	\$1.60
70-2602-01	Sawtooth Hanger	70 x 8mm	10	\$1.53	\$1.36
70-5402-00	Bulk Sawtooth Hanger	70 x 8mm	100	\$9.30	\$8.00
70-2602-02	Self Nail Hanger	25 x 6mm	10	\$1.35	\$1.15
70-2602-03	Triangle Hanger	29 x 13mm	10	85¢	80¢
70-5403-00	Bulk Triangle Hanger	29 x 13mm	100	\$7.50	\$6.00
80-4216-00	Brass Key Chain	10cm	100	\$9.95	\$9.45
80-4215-00	Nickel Key Chain	10cm	100	\$10.05	\$9.55

Plastic Plugs 10/pkg



These 1 1/4" (31 mm) plastic or rubber bank plugs are excellent for your own bank creations. The rubber plugs are used with ceramic or acrylic or any other thin material. The polypropylene plugs are great with wooden banks.

CAT# 80-4281-00 – \$10.55

Rubber Bumpers 56/pad



These self-adhesive slip resistant pads are excellent for finished projects. Each rubber bumper is 3/8" x 1/8" (10 mm x 3 mm). Available in clear, black, & white.

CAT# 80-4201-00 – Clear

CAT# 80-4202-00 – Black

CAT# 80-4203-00 – White

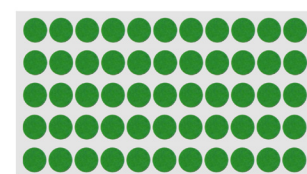
Clear

QTY	PRICE
1	\$10.15
2-5	\$9.65
6-19	\$9.20
20+	\$8.60

Black & White

QTY	PRICE
1	\$8.45
2-5	\$8.00
6-19	\$7.60
20-49	\$7.20
50+	\$6.90

Felt Bumpers 100/sheet



These self-adhesive dark green bumper pads are ideal for the bottom of your projects to protect table tops. They are 3/8" in diameter and 1/32" thick.

CAT# 80-4271-00 – \$1.75

2 or more – \$1.69

Bread Knife Blade



Blade 10 1/2" x 5/8" wide (267 mm x 10 mm)

CAT# 19-3031-HK

QTY	PRICE
1	\$5.15
2-5	\$4.90
6-19	\$4.40
20-49	\$4.10
50+	\$3.95

Plans Bread Knife

CAT# 19-3031-PL

On request only, one per order

Clear Polyester Casting Resin



* Water clear *

Resin casting is an exciting and fun craft that allows you to embed or encase almost any object in crystal clear plastic. Coins, shells, rocks, dried flowers, butterflies and insects are just a few of the examples of embedment possibilities. This convenient new package includes catalyst in a clear bubble top cap.

CAT#	SIZE	PRICE
52-34016	16 oz	\$37.05
52-34032	32 oz	\$52.00
52-34128	128 oz	\$142.00

EasyCast Casting Resin
Low Odour

EasyCast is a reactive clear casting epoxy. It's solvent free and low odor. It can easily be colored, tinted or combined with fillers to create faux granite or metallic castings. These characteristics make it ideal for casting and embedding up to 6 ounces (maximum) per pour. Due to heat build up and discoloration, do not attempt to cast more than 6 ounces at one time. For larger casts, use Castin'Craft Polyester Casting Resin.

CAT#	SIZE	PRICE
34-33008	8oz	\$17.80
34-33016	16oz	\$29.45
34-33032	32oz	\$48.40
34-33128	128oz	\$148.00

Brushes



Cups



Paddles



CAT#	DESCRIPTION	1	2-5	6-19	20-49	50+
34-1011	Brushes	32¢	28¢	27¢	26¢	24¢
34-1010	Cups	95¢	90¢	75¢	-	-
34-1013	Paddles	10¢	8¢	6¢	4¢	3¢

Vinyl Gloves 100/box



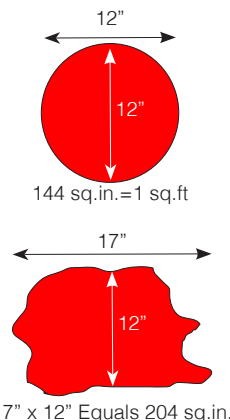
Vinyl gloves offer a high value, dependable for those allergic to natural latex. Appropriate for short term and routine tasks involving minimal stress, Alliance vinyl gloves offer excellent tactile sensitivity which is further enhanced by their smooth surface.

CAT# 70-3419-00 Large
CAT# 70-3420-00 Medium
CAT# 70-3421-00 Small

QUANTITY	1	2-5	6+
PRICE	\$9.95	\$8.45	\$7.40

How to Figure out Coverage Amount, Circles & Ovals or Clock Blanks.
12" x 12" - 144 sq.in.

SIZE	COVERAGE
8 oz (236 ml)	2 sq.ft. (.185 sq.m.)
16 oz (473 ml)	4 sq.ft. (.371 sq.m.)
32 oz (946 ml)	8 sq.ft. (.743 sq.m.)
64 oz (1.861 l)	16 sq.ft. (1.48 sq.m.)
1 Gn (3.78 l)	32 sq.ft. (2.92 sq.m.)
2 GN (7.56l)	64 sq.ft. (5.84 sq.m)

Envirotex Epoxy Coating
The Original High-Gloss Polymer Coating

The highest quality product on the market today. It is a wonderful preservative for any wood surface. It provides a rich glossy finish to protect and beautify for years. It can be used on almost any surface. One coat equals 50 coats of varnish.

CAT#	SIZE	COVERAGE	PRICE
34-2008	8 oz (236 ml)	2 sq.ft. (.185 sq.m.)	\$18.15
34-2016	16 oz (473 ml)	4 sq.ft. (.371 sq.m.)	\$30.55
34-2032	32 oz (946 ml)	8 sq.ft. (.743 sq.m.)	\$45.75
34-2064	64 oz (1.861 l)	16 sq.ft. (1.48 sq.m.)	\$82.50
34-2128	1 Gn (3.78 l)	32 sq.ft. (2.92 sq.m.)	\$132.50
34-1188-2G	2 GN (7.56l)	64 sq.ft. (5.84 sq.m)	\$184.00

EX-74 Outdoor Epoxy Coating
2 Gallon Kit

* UV Inhibitors *

EX-74 is an extremely clear, tough, high gloss surface coating formulated to produce a deep glass like appearance in a single layer on a sealed surface. EX-74 has been formulated for improved UV resistance to reduce yellowing and surface degradation from UV exposure. EX-74 has an extended open time which allows up to 30 minutes in the mixing container at 70° F and up to one hour working time on the surface being coated. EX-74 is waterproof, heat & alcohol resistant.

CAT# 34-1174-2G

QUANTITY	1	6+
PRICE	\$199.00	\$190.50

EX-88 Premium Epoxy Coating
2 Gallon Kit

* Longer working time *

EX-88 is identical to EX-74 but does not have added UV-Resistance.
CAT# 34-1188-2G - \$184.00
2 or more - \$174.00

Multipurpose Tool



This tool opens up a whole world of creativity for decorating many articles such as wooden items, picture frames, leather articles, furniture, cabinets, jewelry and much more. You can purchase an extra set of wood burning/solder tips or the decorator tips.

Features:

- 30 watt tool
- Maximum temperature of 1,050 f (565 °C)
- Stay cool grooved handle for comfort

Kit Includes:

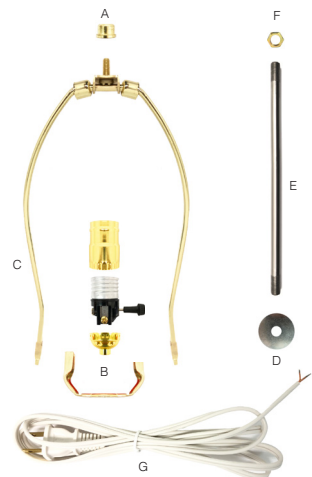
3 Soldering Tips,
4 Woodburning Tips,
2 Cutting or Fusing Tips, a solder,
handy stand and a case.

CAT# 80-4832-00 – \$49.50

Replacement Tips, 2/pkg

CAT# 80-4832-08 – \$7.35

Parts for All Your Lamp Making Needs



Forstner Bits



These bits are made of high carbon steel. They bore clean, precise holes in a variety of woods. Bits up to 7/8" have a 1/4" shaft.

CAT#	SIZE	SHANK	PRICE
70-3820-00	1/4"	1/4" hex	\$4.40
70-3805-00	3/8"	1/4" hex	\$4.65
70-3806-00	1/2"	1/4" hex	\$4.95
70-3807-00	5/8"	1/4" hex	\$5.60
70-3808-00	3/4"	1/4" hex	\$6.60
70-3809-00	7/8"	1/4" hex	\$6.50
70-3810-00	1"	1/4" hex	\$7.40
70-3811-00	1 1/8"	5/16" hex	\$7.40
70-3812-00	1 1/4"	5/16" hex	\$8.25
70-3813-00	1 3/8"	5/16" hex	\$8.30
70-3814-00	1 1/2"	5/16" hex	\$9.40
70-3815-00	1 5/8"	5/16" hex	\$10.15
70-3834-00	1 13/16"	5/16" hex	\$10.95
70-3817-00	1 7/8"	5/16" hex	\$11.35
70-3818-00	2"	5/16" hex	\$12.95
70-3819-00	2 1/8"	5/16" hex	\$13.85
70-3835-00	2 1/4"	7/16" hex	\$13.65
70-3822-00	2 5/16"	7/16" hex	\$16.80
70-3823-00	2 3/8"	7/16" hex	\$19.40
70-3843-00	2 7/8"	7/16" hex	\$24.85
70-3816-00	3"	7/16" hex	\$30.50
70-3802-00	3 1/8"	7/16" hex	\$32.50
70-3838-00	3 1/4"	7/16" hex	\$34.05
70-3833-00	3 3/4"	7/16" hex	\$37.15

BUTTON MAKING SUPPLIES

Bulk Buttons



Design graphics on your computer then make your own buttons at home or in your classroom. It makes 2 1/4" (57 mm) buttons easily.

CAT# 15-5401 500/Pkg – \$90.00

CAT# 15-5402 2000/Pkg – \$240.00

Circle Cutter



Cut a 2 5/8" circle easily with this cutter. Ideal for button maker.
CAT# 15-2625-CP – \$298.00

Button Maker



- Fund Raising
- Souvenirs
- Awards
- Photographs
- Craft projects

CAT# 15-225-PBM – \$460.00

This includes free parts to make 25 buttons. One package of button is included with the button maker.

Button making idea



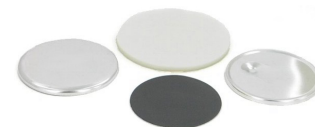
Create your own design, print it, cut it to the size of the button, place it on the button and seal it.

Buttons 25/pkg



CAT# 15-225-BT

Magnet Button Kit 1000/pkg



2-1/4" magnet button making supplies include shells, mylar, flat backs, and adhesive magnets (magnet size 1-7/8" round).
CAT# 15-225-MAG

QTY	PRICE
1	\$7.55
2-5	\$6.95
6-19	\$6.40
20+	\$4.55

QTY	PRICE
1	\$359.00
2-5	\$340.00
6+	\$331.00

Complete Lamp Kit

Includes each of the item in the image.

CAT# 80-44SPECL – \$18.00
2 or more – \$17.25

FIG	CAT#	DESCRIPTION	PRICE
A	80-4405-00	Finial cap	\$1.30
B	80-4426-00	Lamp socket with on/off	\$4.80
C	80-4401-00	8" Detachable Harp (Finial Extra)	\$5.25
D	80-4422-00	Steel Washers for 3/8" Hole, 25/pkg	\$9.25
E	80-4414-00	9" Steel Pipe threaded both ends 1/8"ips	\$2.05
F	80-4421-00	Hex lock Nuts, 25/pkg	\$5.40
G	80-4428-WT	Lamp Cord with Plugs	\$4.45

GO TO WWW.KIDDER.CA FOR QUANTITY PRICING.

A			CLOCK CRAFT SUPPLIES			FILAMENT LINE		
ACRYLIC OFFCUTS	50		CLOCK HANDS	57-59		FILES	29	
ACRYLIC SHEETS	50		CLOCK MOVEMENTS	57-59		FIRST AID KIT	35	
ACRYLIC SQ. ROD	51		CLOCK NUMERALS	57-60		FISKARS HAND DRILL	31	
ACRYLIC TUBING	51		CLOTHESPINs	7,37		FITUPS CLOCK	60-63	
AIRPLANE KITS	44		CO2 CAR SUPPLIES	1		FLASHLIGHT LED	37	
ALLIGATOR LEADS	11		CO2 CLASS PACK	2		FLASKS	46	
ALTERNATIVE ENERGY	19		COATING CLEAR EPOXY	65		FLIGHT	42-45	
APPLICATOR CEMENT	52		COIN CELL 3V	15		FOAM SHEETS	27	
APRON DENIM	35		COMPASS	21		FORSTNER BITS	66	
ARTSTRAWS	26		CONDUCTIVITY TESTER	14		G		
AXLES STEEL & WOOD	1,8		CONSTRUCTION PAPER	36		GEARS ITEMS	10,20,41	
B			CONTACT CEMENT	28,37		GENERATOR	19	
BALLON CAR	4		COOL TOOL LINE	32		GENERATOR MOTOR	19	
BALLOONS	36		COPING SAW	30		GLASSES SAFETY	35	
BALSA CO2 BLANK	1		COPPER FOIL	14		GLOVES SAFETY	35	
BALSA SCRAP PAKS	27		COPPER FOIL	15		GLUE GUNS	28	
BALSA SHEETS	44		COPPER STRIPS ELECTRODE	13		GLUE PLASTIC	51	
BALSA STRIPS	25		COPPER WIRE	14		GLUE STICKS	26,28	
BALTIC BIRCH SHTS	39		CORDLESS DRILL	31		GLUE THICKENED CEMENT	51	
BAROMETER	63		CORRUGATED PLASTIC	27,50		GLUE WHITE	28	
BASSWOOD STRIPS	25		CRAFT STICKS	27		GOGGLES	35	
BATTERIES	12		CRAZY GLUE	28		GUSSETS	7,27	
BATTERY HOLDERS	12		CREPE CLEANER	29		H		
BATTERY SNAPS 9V	6		CUTTING MAT	30		HACKSAW & BLADES	30	
BATTERY TESTER	13		D			HALOGEN LIGHT	19	
BEAD CHAIN	51		DECALS	3		HAMMERS	30	
BEADS	36		DENSITY BLOCKS	49		HAND DRILL	31	
BEAKERS	46		DESIGN AND MAKE BOOKS	33		HAND SAW	30	
BENCH HOOKS	30		DOLLAR PLUS ITEMS	36,37		HANGERS	64	
BIRD HOUSE KIT	25		DOWELS WOOD	8		HEAT GUN	51	
BOOKS RESOURCE	54-56		DRAGSTER SUPPLIES	1,2		HEAT GUN	51	
BORE BIT CO2	2		DRILLS	31,50		HIGH TORQUE MOVTS	59	
BOROSCILLATE BEAKERS	46		DUCT TAPE	28		HINGES ACRYLIC	51	
BOX CUTTER KNIFE	30		E			HOLE PUNCH	29,31	
BRASS CONNECTORS	14		EAR PLUGS	35		HOTSHOT LAUNCHER	2	
BRASS FASTENERS	36		EDGE SCRAPER	51		HOUSE FRAMING KITS	25	
BREADKNIFE BLADES	64		ELASTIC BANDS	1		HOVERCRAFT KIT	4	
BRUSHES PAINT	36,37		ELASTIC CAR KIT	4		HYDRAULIC KITS	38-40	
BUFFING COMPOUND	51		ELECTRIC CAR KIT	4		HYDRAULIC SUPPLIES	39	
BULB HOLDER	11		ELECTRIC PAINT	14		J		
BURETTE CLAMP	47		ELECTRICAL TAPE	14		JOINTER BASSWOODS	31	
BUTTON MAKING	66		ELECTRICAL TAPE	28		K		
BUZZER	15		ELECTRICITY SUPPLIES	11		KALEIDOSCOPE	45	
C			ELECTRICITY KIT	15		KEY CHAIN	51,64	
CABLE TIES	29		ELIMINATOR NO CO2	3		KIDDER-KUTTER	30	
CALIPERS DIGITAL	29		EMX-2 STRIP HEATER	52		KNIFE SWITCHES	11	
CALLIOPE	17		ENGBOX ELECTRICITY	12		L		
CAMS WOODEN	7		ENGBOX VARIOUS	69		LAB COAT	35	
CAR KITS	4		ENGINE ROCKET ENGINE	42,43		LABWARE SUPPLIES	46,47	
CARD WHEELS	4,7		ENGRAVING STOCK	50		LAMP PARTS	66	
CARPENTERS GLUE	28		EPOXY RESIN	65		LAMP SOCKETS	11,66	
CASTING RESIN	65		ERASER	36		LAUNCHER CO2	2	
CD AXLE HUB	5		EYE SCREWS	1,5		LAZER POINTER	45	
CHIME MOVEMENT	63		F			LED'S	11,15	
CIRCUIT SERIES/PARALLEL	14		FAN BOX TYPE	20				
CLAMPS	30		FELT BUMPERS	64				
CLAY MODELLING	37							

LIGHT BULBS	11	PLANE KITS	44	STYROFOAM BLANK	2
LOWTEMP GLUEGUN	28	PLASTIC SHEETS	50	SUPER GLUE	28
M		PLEXWELD F CEMENT	52	SWITCHES	11
MAG-LEV SUPPLIES	6,21	PLIERS CUTTERS	31	SYRINGES	39
MAGNETIC CAR	4	POLISH FOR PLASTIC	51	T	
MAGNETIC SUPPLIES	21	POPSICLE STICKS	6	TABLE PROTECTOR	30
MAGNIFIER	37	POPSICLE STICKS	6	TAPE DOUBLE SIDED	37
MAKEDO SUPPLIES	22	PROPELLER CAR	4,6	TEACHER GEEK ITEMS	40,41
MAKER SPACE KITS	33	PROPELLERS	12,44	TECH CART MOBILE	34
MAKERS STEAM CART34	34	PULLEY BLOCK	9	TEST TUBES	46
MAKEY MAKEY	17	PULLEYS	9,41	THERMOMETERS	46
MANUAL HAND DRILL	31	PUSH METERS	49	TIMER MOTION CO2	2
MARBLES	37	Q		TOGGLE SWITCH	11
MASKING TAPE	28,37	QUARTZ MOVEMENT	57	TOOLS	41
MDF WHEELS	7	R		TOOTHPICKS	37
MEASURING TAPE	29,36	RARE EARTH MAGNET	21	TRACING PAPER	37
MECHANICAL KITS	24	RAY BOX LAZER	45	TUBING ACRYLIC	51
MES BULBS	11	REAR SLICKS WHEELS	1	TUBING VINYL CLEAR	39
METAL AXLES	8	REED SWITCH	11	TWIN MOTOR GEAR BX	10
MICROSCOPE + SUPPLIES	47,48	RESISTORS	12	U	
MIRROR	37,45,50	RESOURCE BOOKS	54	UTILITY KNIFE	30
MITRE BOX	30	RIG-AMA-JIG	23	UV BEADS	45
MIXING CUPS	65	ROBOTICS	17,18	V	
MODELING CLAY	37	ROCKETRY SUPPLIES	42,43	VELCRO BUTTONS	28,37
MOTOR CAR	4	RUBBER BANDS	9,36,44	VERTICAL HAND DRILL	31
MOTOR PULLYS	12	RUBBER RACER	41	VICE	30
MOTORS	12	RUBBER STOPPERS	47	VINYL GLOVES	35
MOUSTRAP CAR	4	RULER METAL	29,36	VINYL TUBING CLEAR	38,39
MOUSTRAP SUPPLIES	5	S		W	
MUG PEGS	26	SAFETY GLASSES	35	WALL CLOCK LRG	63
MULTI METER	13,20	SAFETY SNIPS	31	WASHERS	1
N		SAFETY SUPPLIES	35	WEARABLE TECH	15
NAILS	30	SANDPAPER	29	WEATHER INSTRUMNTS	63
NEWTON PUSH/PULL METERS	49	SAWS	30	WHEELS ENGBOX	7
NO CO2 DRAGSTER SUPPLIES	3	SCHOOL CLOCK	63	WHEELS FRONT/REAR	1
NUMERALS CLOCK	57-60	SCIENCE & TECH BOOKS	55,56	WHEELS PINE CAR	8
NYLON STRING	5	SCREW EYES	1	WHITE GLUE	28
O		SERIES/PARALLEL KIT	14	WIND ENERGY	20
OPTICS ITEMS	45	SET & FORGET CLOCKS	63	WIRE	11
O'RINGS	9	SHAKER PEGS	26	WIRE RED/BLK	6
OWL PELLETS	47	SKEWERS	37	WIRE STRIPPER	14
OZOBOT SUPPLIES	18	SNAP CIRCUITS	19	WOOD GLUE	28
P		SOLAR CAR	4	WOODBURNING TOOL	66
PAINT ACRYLIC	37	SOLAR KIT	19	WOODEN PADDLES	6
PAINT BRUSH	36	SOLDER	13	WOODEN SHAPES	26
PAINT BRUSH	37	SOLDERING IRON	13	WORM GEAR	4
PAPER CIRCUITS	15	SPOOLS PLASTIC	7	Z	
PAPER CLIPS	14,36	SPOONS PLASTIC	36	ZINC STRIP ELECTRODE	13
PAPER STRAWS	26	SPRINGS ASS'TD	29		
PEN SETS	64	SQUISHY CIRCUITS	16		
PENCRAFTING	64	STAIGHTLINE BENDER	52		
PETRI DISHES	47	START PIN ASSEMBLY	1		
PINE CAR SUPPLIES	8	STOPCOCKS	39		
PING PONG BALLS	36	STRAW ROCKETS	43		
PIPE CLEANERS	36	STRAWS	1,36		
PIPETTE	46	STRING	36		
		STRIP HEATER	52		



ENGboxTM

ENGbox-pg

Junior Engineering Box, Pulleys & Gears



This assortment of pulleys and gears come in a handy divided utility case. Items included are assorted sizes of pulleys, motor pulleys, assorted gears, worm gears, gear racks, and dowel. There are 324 pcs in total.

CAT# ENGBOX-PG – CA\$145.00

ENGbox-e

Junior Engineering Box, Electricity



This assortment of motors, bulbs, sockets and much more comes in a handy divided utility case. Items included are batteries, batter holders, various bulbs, various sockets, buzzers, motors, switches, and hook-up wire.

CAT# ENGBOX-E – CA\$185.00

ENGbox-w

Junior Engineering Box, Wheels



This assortment of wheels come in a handy divided utility case. Items included are mdf wheels, plastic dragter wheels, card disk wheels, super wheels, and dowel to be used as axles. There are 401 pcs in all.

CAT# ENGBOX-W – CA\$110.00

ENGbox-k

Junior Engineering Box, Clock Parts

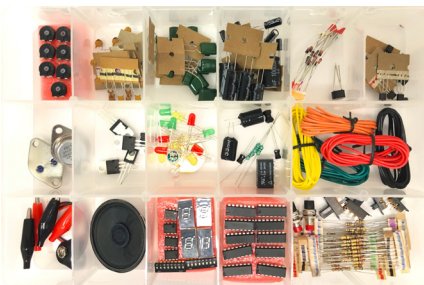


This Basic Clock Kit includes a wide variety of basic clock parts to help in the learning of clock movements and its function. Packaged in a handy plastic parts container with 10 compartments. This class pack includes 20 clock movements with assorted shaft lengths, hands, second hands and batteries.

CAT# ENGBOX-K – CA\$245.00

ENGbox-c

Electronic Component Kit



This Basic Electronic Parts Kit includes a wide variety of basic electronic parts to satisfy almost any training project. Packaged in a handy plastic parts container with 18 compartments. Kit includes a variety of Resistors, Capacitors, Semiconductors, LEDs, Inductors, Wire & a number of miscellaneous items like switches, buzzers, battery snaps and alligator clips.

CAT# ENGBOX-C – CA\$134.00

MDF Wheels



These 6mm thick fibre board wheels come with drilled centre holes for 4mm or 3/16" dowel with diameters of 34mm, 54mm and 74mm. Also see page 7.

4mm Diameter hole

CAT# 83-1247-00 100/pkg

34mm – \$24.55

CAT# 83-1249-00 100/pkg

54mm – \$29.50

CAT# 83-1251-00 100/pkg

74mm – \$35.50

CAT# 83-54-1253 150/pkg

Assorted – \$39.95

3/16" Diameter hole

CAT# 83-1256-00 100/pkg

34mm – \$24.75

CAT# 83-1258-00 100/pkg

54mm – \$29.50

CAT# 83-1260-00 100/pkg

74mm – \$35.50

CAT# 83-54-1262 150/pkg

Assorted – \$39.95



80-5947-00

KIDDER

SCIENCE IN THE MAKING

KIDDER EDUCATIONAL, UNIT 20
100 WEST BEAVER CREEK ROAD
RICHMOND HILL, ON
L4B 1H4

TOLL FREE: 1.800.263.3556
PHONE: (905) 731-6944
FAX: (905) 731-8424
EMAIL: INFO@KIDDER.CA

WORKING DAYS/HOURS
MONDAY-FRIDAY, 9AM-5PM(ETA)

WWW.KIDDER.CA

CANADA		POSTES
POST		CANADA
	Postage paid Personalized Mail	Port payé Courrier personnalisé
4566246		