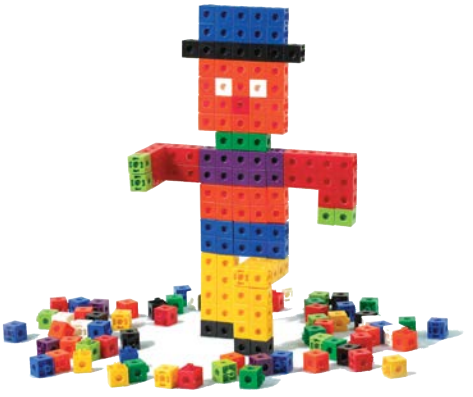
Thomas programs robots with Laurie. Who knows, someday they may save lives!

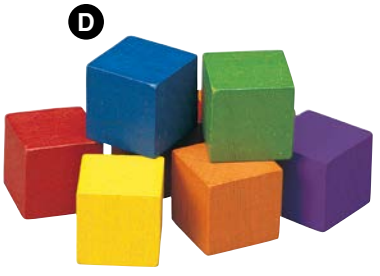
Brault & Bouthillier Education

CATALOG

21st Century Learning Resources STEAM & Coding

2018•2019





A Cube-A Link 3 Shapes

Develop colour and pattern recognition, 2D and 3D spatial relationships, logical reasoning, numeracy, graphing, and measuring skills. Set of 500 blocks in 10 colours includes (400) 2-cm square cubes (linked on all 6 sides), 50 triangles and 50 quadrants (linked on 2 sides), (4) 20 x 20 cm interlocking base boards, and (41) 2-sided, laminated activity cards. In a sturdy plastic container on wheels.

79.95 2263507

B Cube-A-Link^{MD} – 2 cm Cubes

Sturdy plastic cubes feature a peg on one side and a hole on each of the 5 remaining sides, to interlock positively. Used to build a great variety of 2D and 3D constructions for hands-on counting, geometry and measuring exercises, and much more. Cubes are 2 cm.

100 units set	**11.95**	2262921
500 units set	**54.95**	2262947
1000 units set	**89.95**	2262939

C 1 cm Graph Board

Use this board with any 1-cm cube (not included, 2252849) to teach patterning, number sense, graphing, measurement, geometry, and more, and record data on the write 'n wipe vertical and horizontal axes. With an activity guide.

Plastic. 22 8 x 24 7 cm. **6.10** 2206894

D 102 Wooden Cubes

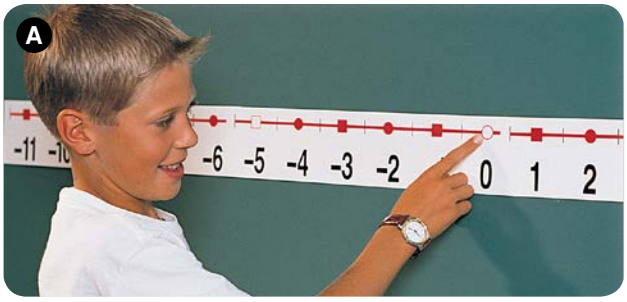
Set of (102) 2 cm, solid wood cubes in 6 colours.

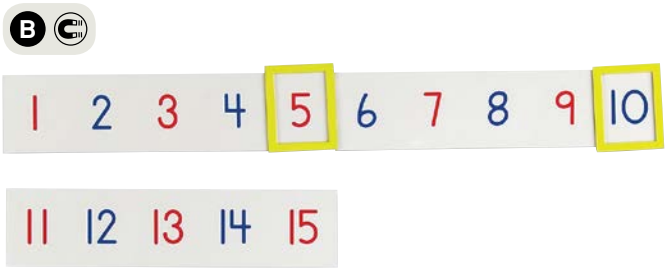
15.95 2253854

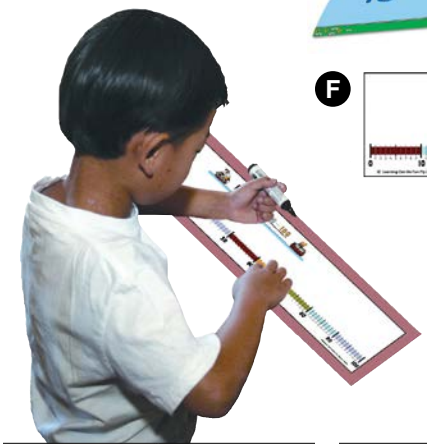
E Interlocking Centimath cubes

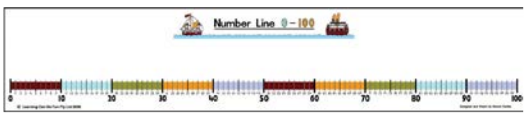
1,000 interlocking 1 cm^3/1 g promotes numerous math activities including counting, comparing, basic operations, fractions, etc.

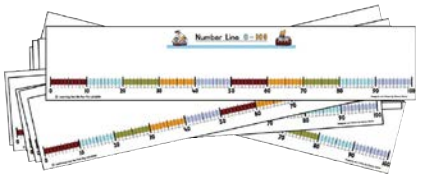
200 units set	**8.60**	2253235
1000 units set	**29.95**	2252849











A Number Line Set

Set of (36) 48.2 x 9.5 cm laminated cards, with numbers from -35 to 180. Graphic markings are used to indicate odd and even numbers, as well as 5s and 10s for skip counting. 17.35 m total length.

12^{95} 2206720

B Magnetic 1-100 Number Line

Demonstrate counting, operations and equations on a magnetic white board (3360690) with this engaging set of (24) 24.1 x 5,7 cm magnetic strips, each printed with 5 numbers.

Just line up the strips to create a single 1–100 number line. Odd numbers appear in red, and even numbers, in blue. Also includes 4 frame magnets to highlight individual numbers, and an activity guide.

29^{95} 2206316

C Trace Numbers

These numbers feature raised edges, for finger tracing activities, with eyes closed for an added challenge, on a table or light table. Each number features a dot, 1-2 arrows and dashes, all raised. Also great for pencil tracing, to create posters, etc. Made from strong, flexible, dishwasher-safe, transparent silicon. 12.2 cm high. Yellow. Box of numbers 0-9.

16^{95} 2206977

D Magnetic Numbers

Set of 162 magnetic numbers and math operation symbols. In brightly-coloured plastic. Approx. 3.5 cm tall. In a storage jar with handle.

31^{95} 2254324

E Number Line Floor Mats

Durable vinyl walk-on mats feature brightly-coloured numbers. Children step, hop or leap from number to number (forward to add and backwards to subtract), while physically reinforcing their number recognition, counting, sequencing, place value, and addition and subtraction skills. Include a teacher guide.

1-20 Number Line Floor Mat

46^{95} 2253953

1 to 30 Number Line Floor Mat

46^{95} 2253961

F Student number line 0 to 100

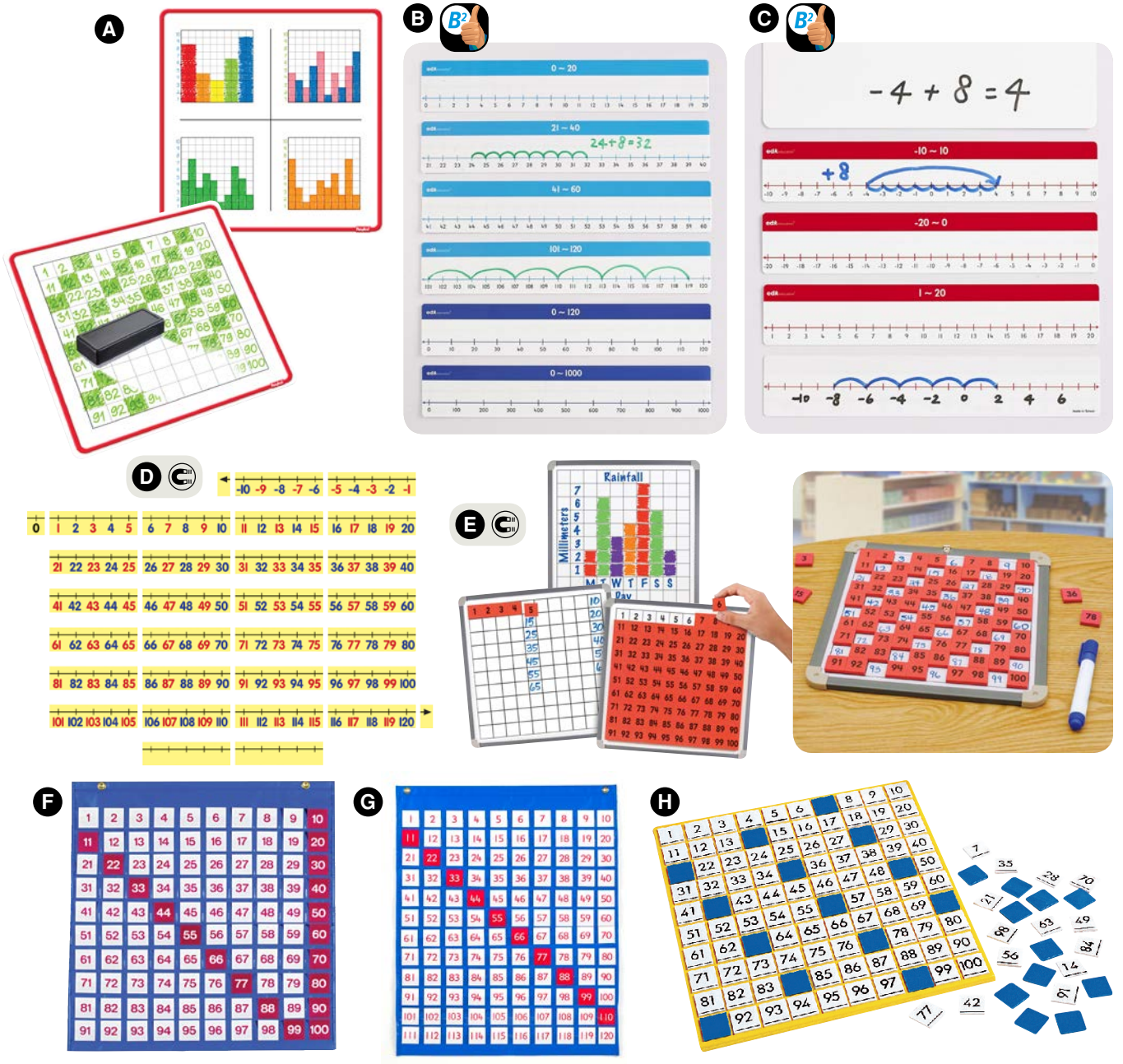
Numbered 0 to 100, this number line helps children develop number skills: numeral recognition, counting, positional terms, estimation, and addition and subtraction calculations. 10-unit increments feature a different colour for easy tracking. Use a dry erase marker on write-on, wipe-off surface. 50 x 10 cm. Pack of 10.

12^{95} 2262749

G Numbered bean bags

Colourful bean bags feature both the numeral and dots to represent the numbers 1 to 10. 10 x 10 cm. Set of 10.

19^{95} 2262830



A Count to 100 Dry Erase Boards

Teach a variety of math concepts using these 24 dry-erase boards, printed with 100 large squares arranged in a square grid on one side, and 4 smaller, 100-square grids for a great range of activities, on the other. With a teacher guide. 31.6 x 31.6 cm. Pens not included.

22^{95} 2078954

B Number Lines – 0-120, 0-1000 classroom set

This set of desktop number lines includes 8 sets of 0-120 in groups of 20 on one number track, 15 pcs of 0-120, and 15 pcs of 0-1000. Set of (78) 30.5 x 5.5 cm write-on, wipe-off plastic pieces featuring blank calibration on the reverse side. Dry-erase pens not included.

32^{95} 2078780

C Number Lines – Negative Numbers

Classroom set of desktop number lines includes 15 pcs of -10 to 10, 15 pcs of -20 to 0 and 15 pcs of 1 to 20. Set of (45) 30.5 x 5.5 cm write-on, wipe-off plastic pieces featuring blank calibration on the reverse side.
Dry-erase pens not included.

21^{95} 2078798

D Magnetic Demonstration Number Line

This big, high-contrast, magnetic number line is easy to see from anywhere in the classroom. Extends from -10 to 120 to teach numbers, counting, cardinality, and operations. Colour-coded numerals reinforce odd and even (red odds, blue evens, and black zero). Dry-erase surface makes for easy clean-up. Includes 31 pieces in all: 7 x 25.4 cm number line segments (plus 2 blanks), 0, and 2 arrows.

23^{95} 2078632

E 1–100 Magnet Board

Support number sense, counting, skip counting, place value, addition, subtraction, and multiplication facts, and more, with this double-sided board. Features a numbered grid on one side and a write 'n wipe blank grid on the other, perfect for creating your own charts and graphing activities. Includes (1) 28 x 28 cm framed board, (100) 2.5 cm number foam magnets, and an activity guide.

55^{95} 2160257

F Hundreds Pocket Chart

Heavy-duty vinyl chart with 100 clear plastic pockets; holds (100) easy-to-handle 5 x 5 cm cards numbered 0 to 100 on both sides, plus math symbols (4 operations, >, <. Includes a teacher's guide. With grommeted holes for hanging. 65 x 68.7 cm.

24^{95} 2254837

G Pocket Chart – 0-120

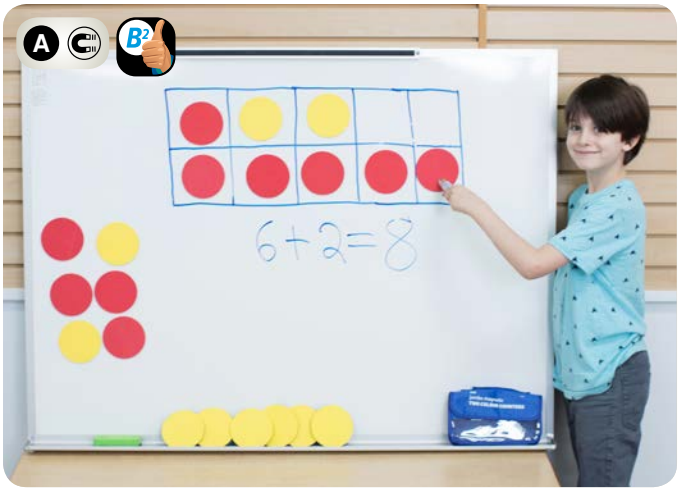
One hundred and twenty clear pockets make this chart ideal for teaching numbers, odds, evens and operations. Includes 139 cards featuring different colours on reverse side to highlight number patterns. Sturdy vinyl chart with metal grommets measures 68 cm x 81 cm.

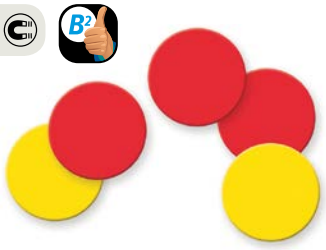
28^{95} 2087955

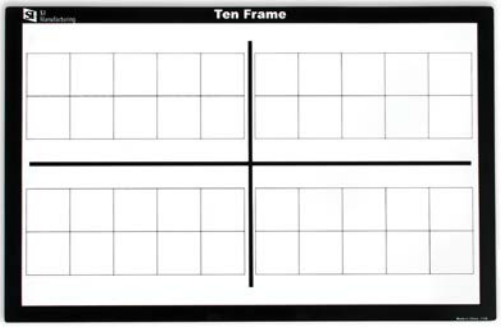
H Hundred number board

Moulded plastic grid board and tile set includes: 125 tiles (100 number tiles, 25 blanks) that fit into a 29 cm board with recessed squares.

37^{95} 2258895







A Jumbo Magnetic Two Colour Counters

Set of 20 counters, 10 red and 10 yellow, made of EVA foam with a black magnet backing. 10 cm in diameter. Includes activity notes. In a fabric carry pouch.

17.95 2088847

B Magnetic Two-Color Counters

Versatile magnetic manipulative is great for teaching counting and cardinality, operations, base-ten concepts, and with our Number Bond Magnet Set (see 2088839). Feature flexible magnet material and red/yellow colours. Set of (200) 2.5 cm.

15.95 2088821

C Two-Colour Counting Chips

Two-colour plastic counters offer students a hands-on tool for understanding and manipulating early abstract mathematical concepts, including probabilities. Plastic. Set of 200. Red and yellow.

9.95 2261170

D Thin Color Tiles

Thin plastic tiles, in 4 solid, opaque colours, for a variety of sorting and mosaic activities. 25.4 x 25.4 x 1.587 mm thick. Pack of 400.

11.95 2097962

E Plastic counters

17 mm. Assorted colors. 300 per pack.

4.50 2253821

F Transparent Chips

Perfect for counting, sorting, colour discrimination, and much more. ø 1.9 cm. Pack of 250 transparent counters, in 6 colours.

5.05 2255701

G Colomath counting rods

Counting rods made of strong, bright-coloured plastic. Full set includes 241 rods. Half set includes 138 rods. The white rods (1 unit) are also available in bags of 500 g (approximately 500 units). The orange rods (10 units) are also available in bags of 500 g (approximately 50 units).

Half set, 138 rods **29.95** 2253433
Full set, 241 rods **53.95** 2253458

H Write 'N Wipe Ten Frame Boards

These large, no-tear, versatile ten frame mats feature a convenient write 'n' wipe surface. Use with dry-erase markers (3299959), colour tiles (2261618), or cubes (2253854), for all ten frame activities. 43 x 28 cm. Pack of 10.

24.95 2206738

I Connecting Cuisenaire Rods

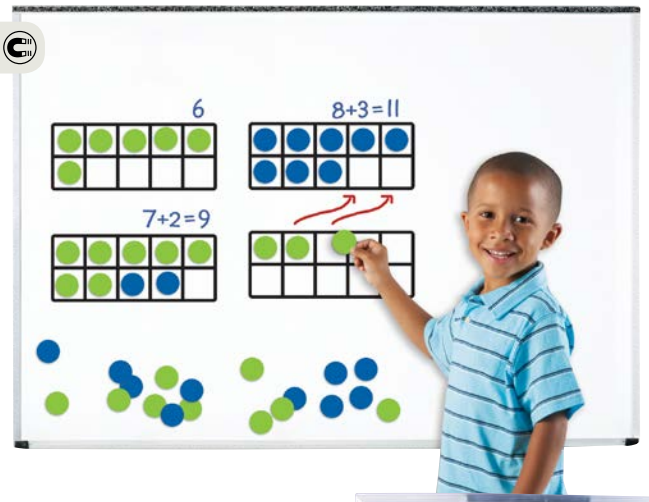
Connecting feature makes manipulation and demonstration easier. Rods are marked in 1-cm increments on one side. Set contains 155 rods and 1 activity guide, in a storage bucket. 4 to 6 students.

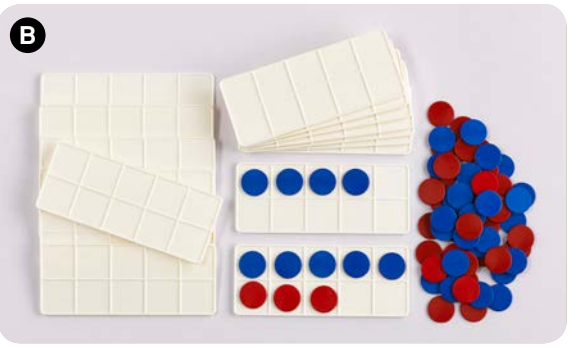
31.95 2259729

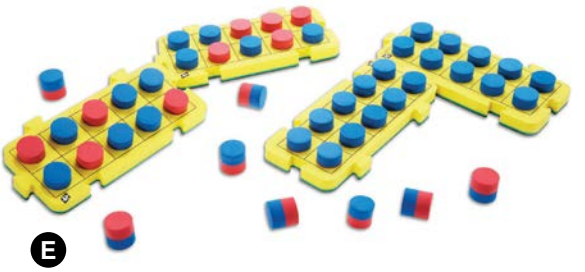
J Magnetic Cuisenaire Rods

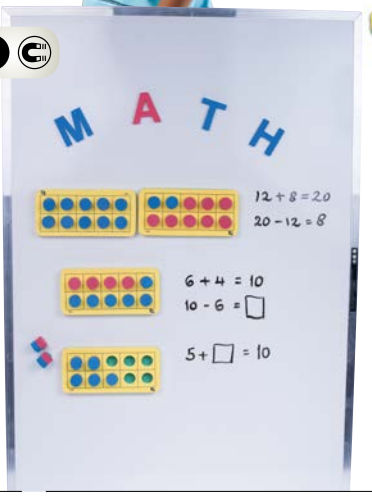
Use these large magnetic rods on any magnetic surface to target number sense operations measurements and early algebra. Label easily with a wet- or dry-erase marker. Set of 64 includes (20) 1 unit (12) 2 units and (4) each of 3 units through 10 units and a teacher's guide. 10-unit rods are 25 cm long.

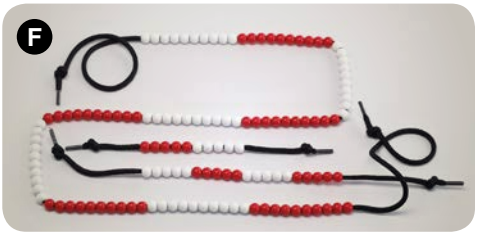
22.95 2262780

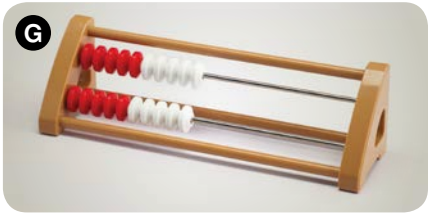


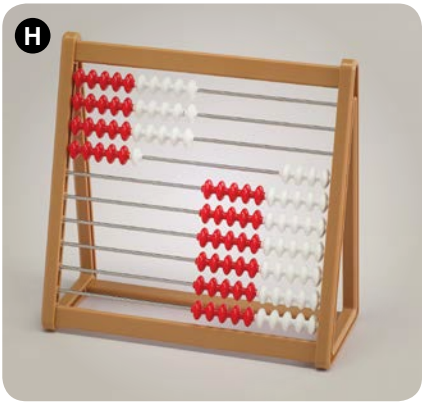












A Giant Magnetic Ten-Frame Set

Demonstrate base-ten number concepts and develop other number and operations skills (addition and subtraction), on a magnetic whiteboard (3360690) with this set of (4) 31.1 x 12.7 cm magnetic frames, 40 magnetic discs in 2 colours, and a teacher's guide.

31^{95} 2206324

B Ten Frames – Class Set

This set features (16) 16 x 6.5 cm sturdy plastic frames with raised divisions and (160) 25 mm x 2 mm red/blue counters, in a durable plastic container.

26^{95} 2078715

Counting Frames

Set of (4) 16 x 7 cm dense foam boards, which can be connected horizontally or vertically, each featuring holes into which pegs are placed. Designed to visually introduce math concepts such as counting, comparing quantities (greater than, less than, as many as), even and odd numbers, creating and completing sequences, addition and subtraction, equivalent numbers, factors, and much more.

C Five Frames – Linking Set

Includes 20 blue/red pegs.

6^{95} 2078962

D Magnetic Ten Frames

Contains 40 two-colour pegs (red/blue) and 40 blue pegs.

17^{95} 2253896

E Ten Frames – Regular

Contains 40 two-colour pegs (red and blue).

10^{95} 2253870

F Rekenrek Student Beadstring

Thick black nylon string with shiny, sturdy plastic beads. 5 red beads alternate with 5 white beads, to the end of the string. Great for counting, just like with the Rekenrek abacus. Foldable, for easier storage and portability. Pack of 10.

Rekenrek student beadstring 100 – Set of 10

Alternating groups of 10 white and 10 red beads on a string, for a total of 100 beads. 162 cm.

69^{95} 2263333

Rekenrek student beadstring 20 – Set of 10

Alternating groups of 5 white and 5 red beads on a string, for a total of 20 beads. 39 cm.

18^{95} 2263341

G 2 x 10 Student Rekenrek Abacus – Single unit

2-row abacus, each containing 5 red beads and 5 white beads to count to 20. Sturdy plastic frame and beads, metal rods. Stable triangular structure inclined to optimize visual discrimination and manupulation. 25 x 7 x 7 cm high.

6^{95} 2263358

10 x 10 Student Rekenrek Abacus

10-row abacus, each containing 5 red beads and 5 white beads to count to 100. Sturdy plastic frame and beads, metal rods. Stable triangular structure inclined to optimize visual discrimination and manupulation. 20.7 x 9 x 20 cm high.

H 10 x 10

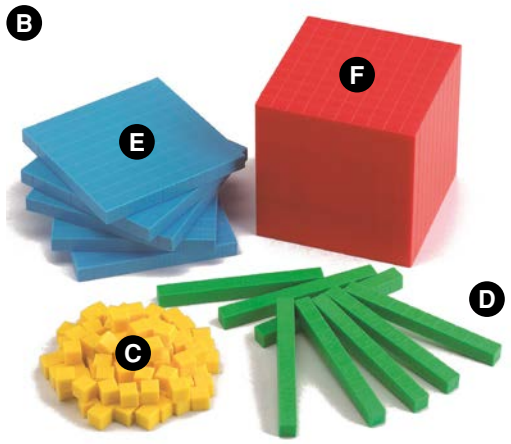
Each row features 5 red beads on the left and 5 white beads on the right.

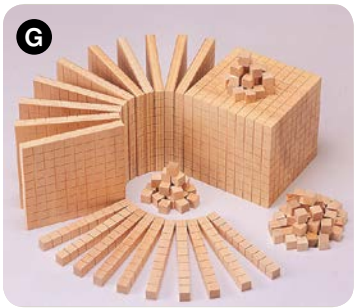
15^{95} 2263325

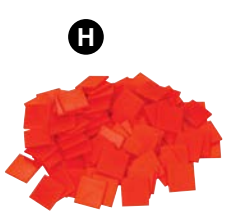
I Alternating colours

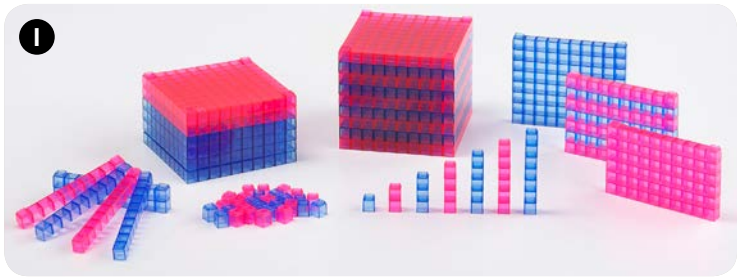
The 5 top rows each feature 5 red beads on the left and 5 white beads on the right. The 5 bottom rows each feature 5 white beads on the left and 5 red beads on the right. The colour change indicates that 100 consists of 2 times 50.

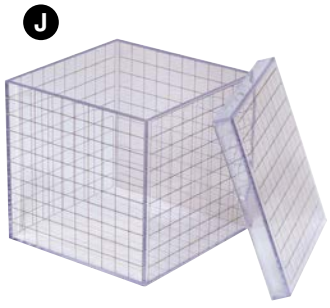
15^{95} 2015329

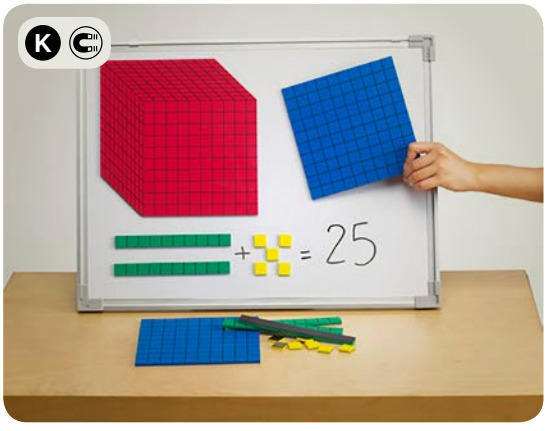


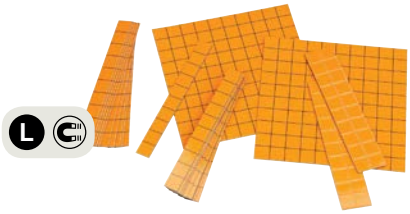


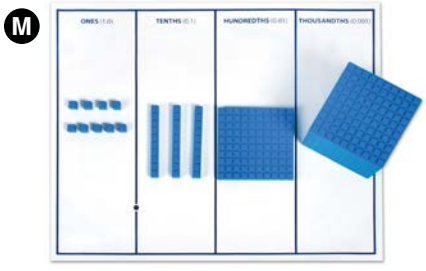












A Base Ten Classroom Set (184)

Ideal to understand number representation, addition and subtraction, decimals, percentages, decimal fractions, and play trading games. 184 components, colour-coded for easier identification. Includes 4 red blocks, 30 blue flats, 50 green rods, 100 yellow cubes and (1) 25-sheet base ten, bilingual pad. In a sturdy plastic storage container on wheels.

79.95 2263556

B Base Ten Set (121)

121 components, colour-coded for easier identification, include: 1 red block, 10 blue flats, 10 green rods and 100 yellow cubes. Not shown.

23.95 2263564

Base Ten Blocks

C 100 units (1) **4.60** 2250462
D 10 rods (10) **3.90** 2250470
E 10 flats (100) **13.95** 2250579
F 1 decimeter cube **6.95** 2250454

G Natural wood

100 cubes (1), 10 rods (10), 10 flats (100) and 1 block (1 000) in a box.

39.95 2078889

H MAB Chips

Base 10 set of (100) 1 x 1 cm red plastic chips.

2.25 2088755

I Clearview Base Ten Blocks

These interlocking cubes (1), rods (10) and flats (100) can be used for many number, decimal, and place value activities. The transparent red and blue pieces are also excellent for use on an overhead projector. Contains 100 cubes, 30 rods and 15 flats.

22.95 2262848

J 3D Grid Box

Insert an object into the 3D Grid Box for aid in drawing and mastering true perspective. This box is calibrated in 100 mL intervals (each square is 1 cm) and compatible with our Plastic Base 10 Set (2250793). Clear plastic. Includes a lid.

6.70 2206761

K Base 10 Magnets – Teacher Set

Set of 121 magnetic foam pieces designed to make classroom demonstrations clear and easy to understand. Includes 100 units (1), 10 strips (10), 10 boards (100) and 1 cubic decimetre (1000).
19 x 19 cm board.

33.95 2253714

L Base 10 Magnets – Student Set

A great magnetic aid to help children learn the features of the base 10 counting system. Includes (2) 9.5 x 9.5 cm flats (100), 20 rods (10), and 40 cubes (1). Great with Magnetic Boards 2121184.

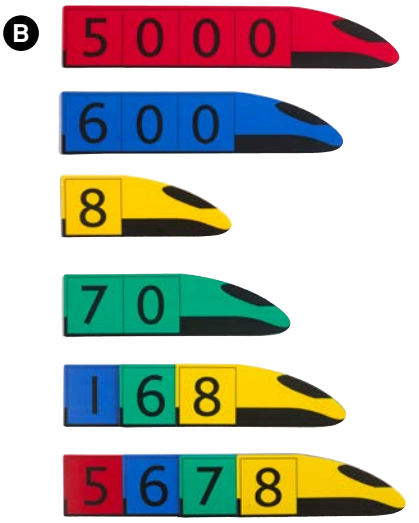
9.80 2254431

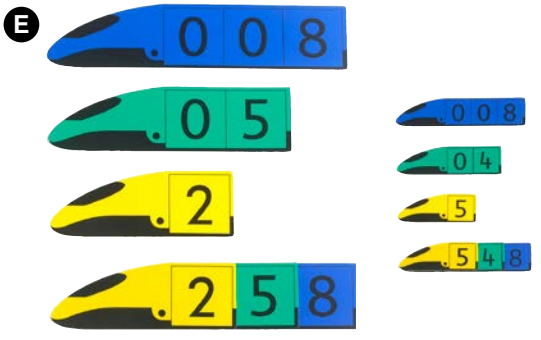
M Base 10 Counting Mat

Convenient, checkered mat, designed for a variety of base-10 grouping exercises. Features the 4 classic base-10 blocks (unit, rod, flat, cube) on one side, and representations of units, tenths, hundredths and thousandths in numbers, fractions and words, on the other. In French.
Thick, flexible vinyl.
44 x 36 cm.

5.75 2262608

Place Value





A Place Value – Classroom Pack

Understand the concept of place value with 6 dice sets and 6 spinners, used to generate numbers, 6 abacuses, used to physically represent numbers, and 6 flip charts, used for the abstract representation of numbers. All durable plastic and cardboard components, for years of classroom use.
In a sturdy plastic container on wheels.

104.95 2078749

B Place Value Trains (Thousands)

Plastic place value train cards are printed on durable PP card material. Set contains 37 train cards 0-9, 10-90, 100-900 and 1000-9000.

Student Size
For thousands, student size cards are 16 cm W x 3 cm H.
8.95 2078814

Demo Size
For thousands, demo size cards are 38 cm W x 7 cm H.
14.95 2078822

C Jumbo Place Value Dice – Classroom Set

Generate place value numbers with this jumbo set featuring 6 sets of 10-sided place value dice, in 4 colours. 24 pieces, in a sturdy plastic case.

29.95 2078830

D Place Value Flip Chart (Thousands)

Features 4 sets of flips, each with numbers 0-9, ones to thousands.

Student Size – Set of 10
Student size flips are 21 cm W x 9 cm H. Pack of 10.
49.95 2078848

Demo Size
Demo size flip is 31 cm W x 15 cm H. Single.
14.95 2078855

E Place Value Trains (Decimal)

Colour-coded, plastic place value train cards are printed on durable PP card material. Set contains 27 decimal train cards 0.1-0.9, 0.01-0.09 and 0.001-0.009.

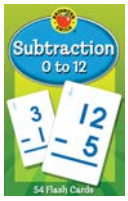
Student Size
For hundredths, student size cards are 13 5 cm W x 3 cm H.
6.55 2078863

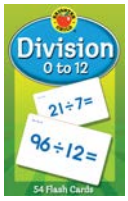
Demo Size
For hundredths, size cards are 31 5 cm W x 7 cm H.
10.95 2078871

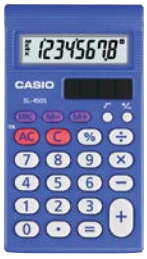
F Place Value Abacus

Set includes (3) 3-pronged abacus, which can be connected to generate six-and nine-digit numbers, 81 single-colour abacus beads, and 9 sets of single colour 0-9 number tiles. Sturdy plastic.

26.95 2088292







Classroom Math Balance

Using this cleverly designed balance, children develop a concrete understanding of the concepts of number operations and algebraic equations. For example, when they hang an 8-weight on the right and a 6-weight plus a 2-weight on the left, the balance is level: thus, 8 = 6 + 2. Sturdy plastic. Features numbers 1-10 on each side and twenty 10 g weights that store in the base.

A Demonstration Size

Sold individually. 65 x 22 cm.

19.95 2262798

B Student Size – Group Set

Includes (10) 36 5 cm long x 13 cm balances.

57.95 2078764

C Shut the Box 12

Chance-based game used to practice simple math operations. Roll the 2 dice and add the number of dots rolled. Then, flip the numbered levers in any combination that equals the number rolled. Numbers on unflipped levers are added and the lowest final score wins. Double wooden box, 34.7 x 19.4 cm x 4.5 cm, and 4 dice. 2 players.

27.95 2183143

Math Operation Flash Cards

Help students master basic math operations with these self-correcting cards. Additions, subtractions and multiplications are printed vertically, while divisions are printed horizontally. Each game includes 54 double-sided cards (108 operations) and challenging game ideas. 8.5 x 13.5 cm.

D Addition **3.85** 2252997

E Subtraction **3.85** 2253003

F Multiplication **3.85** 2253011

G Division **3.85** 2253029

H Calculator cash register

Solar-powered register that holds life-size bills. Includes Canadian currency play bills, plastic coins and pretend credit card. 26.7 x 14.2 x 24.2 cm.

59.95 2258911

I Paper money

Set of 100 assorted bills.

5.95 3170032

J Canadian Coins

Basic mixed set includes 110 plastic coins.

5.50 3170065

K Money and Coin Tray

Set includes 100 paper bank notes ($5 to $100), 110 plastic coins (1¢ to 2$), 1 plastic tray 50 x 28 cm and lid with 12 compartments.

23.95 3170081

L Casio FX-55 Plus Scientific Calculator

Natural display of fractions allowing students to learn fractions, division with remainder and simple algebra, as well as interpret irregular fractions, mixed fractions and simplification. Colour-coded keys group similar functions and operations. 12 characters.
Battery operated. Sliding hard case. Approximately 8 x 16 cm.

21.95 3173028

M Casio Basic Calculator SL-450S

8-digit, easy-to-read display. Square root and percent keys. Function signs (+ – x ÷) are shown on the display to clearly see, at all times, the function being performed. Independent memory stores and totals the results of a series of calculations. Features floating negative sign. Rounded, hard plastic keys are tamperproof. Super Solar Power, operates even in low light: never needs batteries. Includes slide-on hard case.

9.45 3176641

N Casio scientific calculator FX-260

Scientific calculator. LCD display shows up to 10 digits plus 2-digit exponent. Fraction key allows entry and calculation of fractions. Backspace key for easy correction. Many built-in mathematic functions. Independent memory stores and totals the results of a series of calculations. Includes slide-on hard case. Official calculator for use on the GED Series 2002 Mathematics Test.

11.95 3176765

O B&B Calculator

Battery and solar-powered calculator with sliding protective cover. Features: 8 digit display, memory, 4 basic math operations, square roots and percentages, automatic shut-off and reclinable easy-view display. Includes button battery. 7 x 12 cm.

Single Calculator **6.95** 3176351

Set of 20 Calculators + Storage Box
129.95 3176526

Set of 30 Calculators + Storage Box
189.95 3176963

A Fraction Formula

Great and exciting game to learn about fractional values, parts of a whole, and fraction additions. Draw cards and drop fraction tiles in your tube to get as close to 1 as possible, without going over or drawing another card. Includes: (4) 22 cm tall tubes, 52 fraction cards, 52 fraction tiles, 20 scoring cards, and 1 teacher guide. 2 to 4 players.

39^{95} 2253938

B Fraction Pie Puzzles

Place fraction pieces on the board, to complete six circles using clues provided on the cards. Perfect for learning how to make one whole, fractional equivalents, fraction sizes, and common denominators. Includes 50 progressive puzzle cards in 7 levels, 65 foam fraction pieces (wholes, ½, 1/3, ¼, 1/5, 1/6, 1/8, 1/10, 1/12), and (1) 30.5 x 28.3 cm slanted plastic base with storage drawer.

47^{95} 2206811

C tri-FACTa Multiplication & Division Game

Using numbered playing cards and the familiar triangle board as a visual cue, use multiplication and division to complete number families. Set includes (1) 25.4 cm board, 100 cards (facts up to 100) and 4 trays. 2 to 4 players.

29^{95} 2207025

D Magnetic pizza fraction demonstration set

Mouth-watering introduction of fraction values in numerical form, comparisons, equivalencies, and addition and subtraction of fractions. Pizzas represent 1 whole, ½, 1/3, ¼, 1/6 and 1/8 values. Set of 6 pizzas ø 20 cm, photographed on magnetic cardboard, and 1 activity guide.

31^{95} 2250983

E Magnetic Rainbow Fraction Cubes and Spheres

Set of 20 interchangeable pieces used to show relationship to a whole. For both the cube and the sphere, this set includes 1 whole, halves, thirds and quarters. Once assembled, magnetic pieces adhere well to one another. Comes with a labeled storage tray.

69^{95} 2259638

F Magnetic Apple

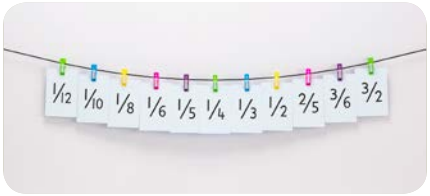
These 4 realistic-looking apples respectively indicate the fraction values of 1, 1/2, 1/3 and 1/4. Ideal to explore the notions of fractions, the relationship of parts to a whole, equivalencies, and additions and subtractions with fractions. Set of 10 pieces, including 9 magnetic pieces, in 4 colours. Includes a teacher's guide. Plastic. Apples are 7.5 cm high.

38^{95} 2262681

G Plastic fraction dice

Plastic, 16 mm. Pack of 6. 1/1, 1/2, 1/3, 1/4, 1/5, 1/6.

8^{65} 2183499



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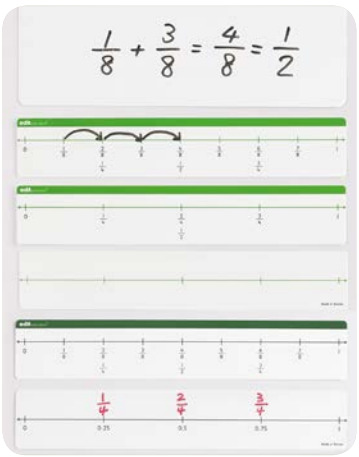

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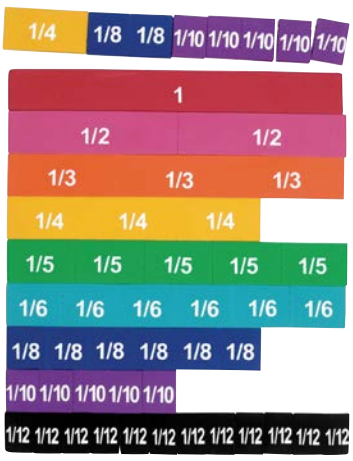


E

A Peg Fraction Line

Great tool to show the relationship between fractions, decimals and percentages. Set of 92 dry-erase plastic cards, 65 showing fractions to twelfths, decimals or percentages, and 27 blank. Also includes one lace (3 meters long) and 15 clips in 5 different colours. In a plastic storage box.

42.95 2263481

B Number Lines – Fractions Classroom set

This set of desk top fraction number lines with 8 each of 1/16, 1/12, 1/10, 1/8, 1/4, 1/4 to 1-1/2, 0.25 (1/4), 0.125 (1/8), and 0.1(1/10). Set of (72) 30.5 x 5.5 cm write-on, wipe-off plastic pieces. Some pieces feature blank calibration on the reverse side and others, decimals. Dry-erase pens not included.

29.95 2078806

C Demo Magnetic Foam Fraction Circles – Blank

Blank magnetic foam fraction circle pieces, representing 1, 1/2, 1/3, 1/4, 1/5, 1/6, 1/8, 1/10 and 1/12, used to teach the concept of equivalent fractions. The 9 colour-coded foam circles, in 9 colours, are 20 cm in diameter x 0.5 cm thick. Set of 51 magnetic pieces in all.

25.95 2079010

D Rainbow Fraction Decimal, Percent and Fraction Tiles

Manipulating these 51 colour-coded, proportional, magnetic, foam tiles is the perfect introduction to the concept of fractions, for a group of 4-6 students. Demonstrate 1 whole, ½, ?, ¼, and so on, all the way to 1/12. deal with magnetic white boards (see 2190965, 2005296 & 2190940). Includes a teacher's guide.

17.95 2259604

E Magnetic Foam Fraction Tiles – Blank

Blank magnetic foam fraction tiles, representing 1, 1/2, 1/3, 1/4, 1/5, 1/6, 1/8, 1/10 and 1/12, used to explore the concept of equivalent fractions. The colour-coded magnetic foam pieces, in 9 colours, are 0.5 cm thick.

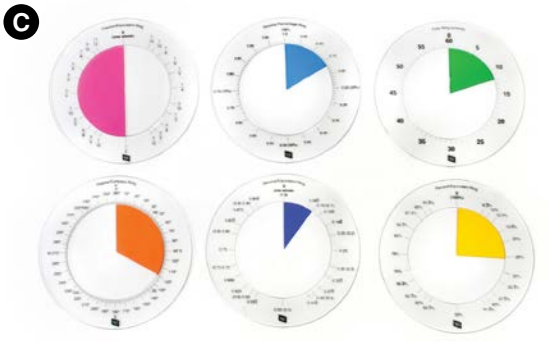
Student size
The tile representing a whole is 20 cm long.

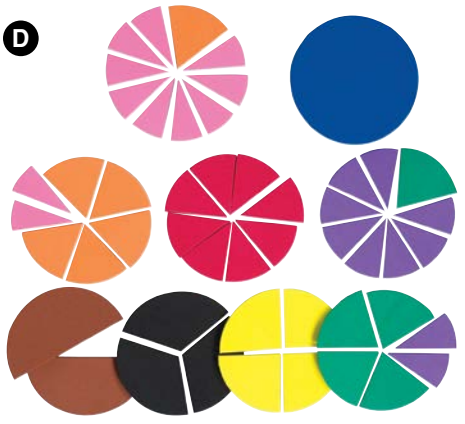
4.65 2079028

Demo size
The tile representing a whole is 40 cm long.

16.95 2079036

Fractions





Hint from **B²**

The following products are colour-coordinated:

2207033 : Double-Sided Magnetic Fraction Circles

2254746: Overhead Fraction Squares Set

2254753: Fraction Tiles

2254761: Printed Foam Fraction Disks

2258952: Fraction Tower® Cubes: Fraction Set

A Double-Sided Magnetic Fraction Circles

Use a magnetic board (3360690) to introduce relationships between concepts of fractions and percentages. Set of (9) ø 19 cm circles includes whole, 1/4, 1/2, 1/3, 1/4, 1/5, 1/6, 1/8, 1/10, and 1/12, labeled with fractions on one side and percentages on reverse. With an activity guide.

39.95 2207033

B Overhead or Light Table Fractions Set

Each fraction has its own colour code. Set with 51 pieces. Transluscent plastic in a convenient and sturdy storage box. Set includes 9 wholes, divided in 1 whole, 1/2, 1/3, 1/4, 1/5, 1/6, 1/8, 1/10, and 1/12.

Fraction Circles Set
8 7 cm in diameter. **6.95** 2254712

Fraction Squares Set
10 x 10 cm squares. **10.95** 2254746

C Fraction Rings

Set of 6 rings illustrating decimals, degrees, percentages, time, fractions and compass points. Can be used with an overhead projector. Plastic. ø 14 cm.

6.70 2261741

D Printed Foam Fraction Disks

Set of (9) ø 9 cm foam disks representing a whole, halves, thirds, quarters, fifths, sixths, eighths, tenths, and twelfths.

5.65 2254761

E Fraction circles

Soft plastic basic sets include shapes representing 1/2, 1/3, 1/4, 1/6, 1/8, 1/12 and 1/24. Colour-coded. Set of 24.

13.95 2258465

F Fraction Tiles

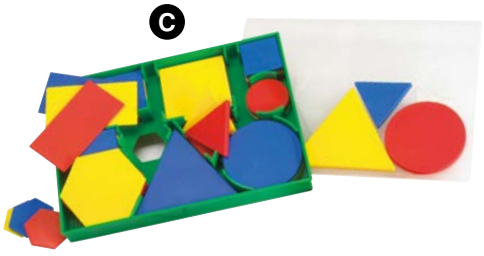
Set of 51 proportionally-sized plastic pieces representing a whole, halves, thirds, quarters, fifths, sixths, eighths, tenths, and twelfths. Whole measures 20.3 x 2.5 cm.

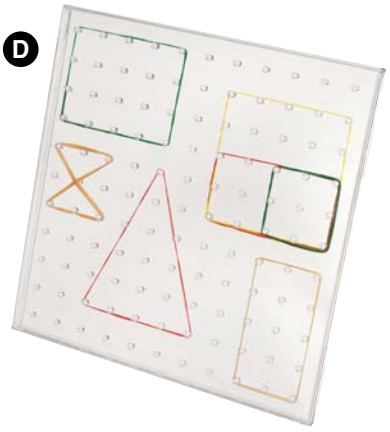
14.95 2254753

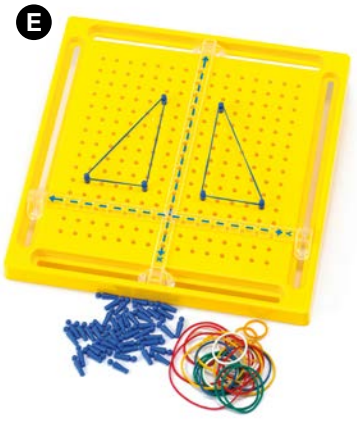
G Fraction Tower® Cubes: Fraction Set

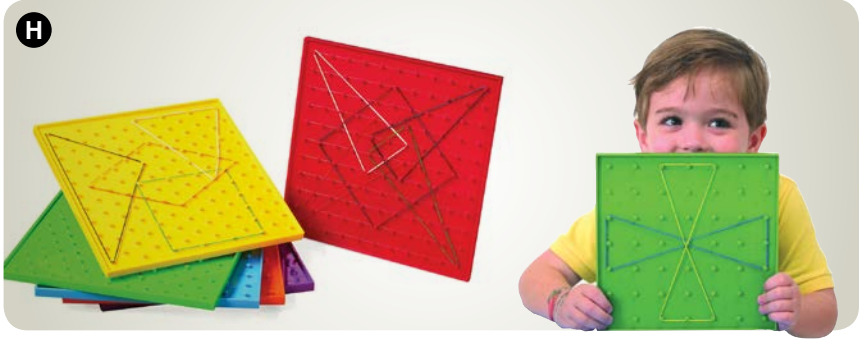
Children can build simple, graphic mathematical models that clearly demonstrate fraction relationships with this set of 51 interlocking fraction cubes. Colourful, durable plastic. With a teacher's guide.

29.95 2258952









A Translucent Geometric Shapes

Set of 408 translucent geomeric shapes designed to build structures in 2D. 14 shapes included: 2 different squares, rectangle, 5 different triangles, hexagon, trapeze, rhombus, circle, half-circle, quarter-circle. 7 colours. Relational pieces for endless creative possibilities. ideal for our light table (#2073625). With instructions and storage tub.

42.95 2178226

B Grouping circles

ø 50 cm circles in 3 colours for a variety of counting and sorting activities. Collapsible for easy storage. Set of 6.

10.95 2255495

C Attribute blocks

Set of blocks designed to develop and practice sorting, perception and logical organization skills, as well as hand-eye coordination. 60 blocks in 5 shapes, 3 colours, 2 sizes and 2 thicknesses. Hard plastic, the bottom of the storage case can be used as a stencil.

Desk Set **36.95** 2262863
Medium size **13.95** 2240596

D Clear geoboard for overhead projection

Standard 23 x 23 cm pin grid (121 pins).

5.20 2240612

E X-Y Pegboard

Unique pegboard with sliding axes to allow maximum flexibility for coordinate graphing. Use the 50 pegs included and 30 rubber bands, in 6 colours and sizes, to model points, line segments, functions, and conic sections. 25 x 25 cm, plastic grid, pierced with 15 x 15 holes, and sliding axis lines allowing students to illustrate numbers from -14 to +14 on both the x-axis and y-axis.

9.95 2254779

F Geo-Bands

Bag contains approximately 250 bands of assorted colours and sizes, enough for the average classroom of 25 students.

9.55 2253946

G Geoboards – 17 cm

Double-sided boards with a 5 x 5 pin grid arrangement on one side, and a 24-pin circular pattern on the other. Include 9 Geobands. Sturdy plastic, in rainbow colours. Square. 17.7 x 17.7 cm (25 pins). In packs of 6.

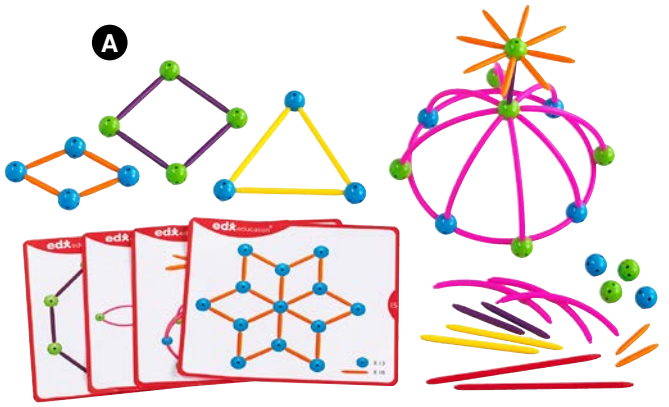
15.95 2261576

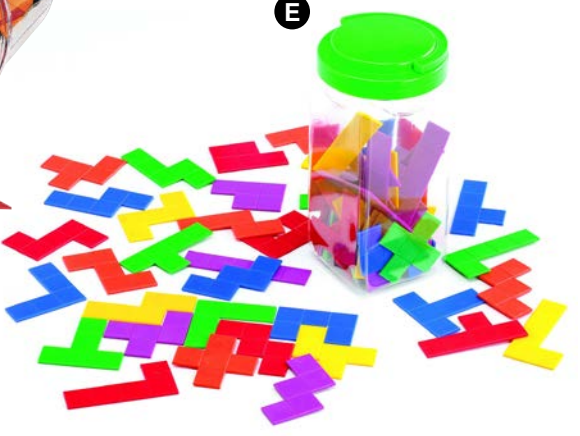
H Geoboards – 23 cm

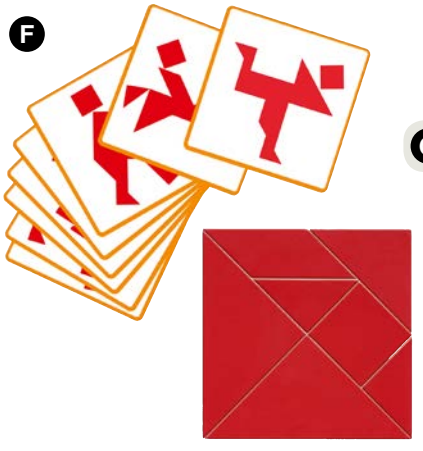
Set of 6 double-sided boards with pins. Students connect the pins with elastic bands to create various geometrical forms. Features a 1.9 cm isometric arrangement of pins on one side, and a 11 x 11 pin square array on the other. Each board comes with 9 Geobands. Sturdy plastic. Square. 23 x 23 cm (121 pins). In rainbow colours.

17.95 2262871

Spacial Sense and Geometry







A Skeletal Geo Set

Explore geometry concepts such as 2D shapes, 3D models, vertices, faces and edges with 250 sticks in 6 lengths and 80 balls in 6 colours, in a sturdy jar with lid. Bright plastic.

1995 2078699

B Junior Geoland

Children set the mirrors at the desired angle and explore symmetry and reflection with various shapes. Includes 4 acrylic mirrors (3 vertical and 1 semicircular horizontal), 1 plastic frame with degree graduations allowing to place mirrors in different angles, 30 pattern blocks, 50 GeoStix and 64 double-sided activity cards.

3995 2210839

C Tangram

Classic, logical reasoning and problem-solving puzzle is made of high quality rubber wood. Includes 7 tangram blocks and 27 double-sided cards offering 54 pattern challenges, in a wooden storage box with clear sliding lid. 26.5 x 20 x 2 cm.

1495 2077311

D Tangrams

Set of 30 tangrams in 6 assorted colours. In sturdy plastic bucket. 12.5 cm square.

Classpack tangrams

3295 2251320

Replacement Set

265 2252880

E Pentominoes Classpack

Set of (6) 12-piece pentomino sets. 72 pieces in total. Packed in a clear plastic tub for easy storage.

1795 2251395

F Tangram

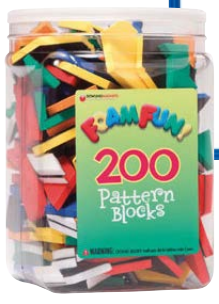
Original variation of the classic tangram game, where 1 player compete to see who can recreate the pictured figure first. Includes 1 set of 7-piece, 11.8 x 11.8 cm wooden tangrams, 250 double-sided cards featuring a figure, on one side, and the solution, on the other, and the rules with a single-player variation. Time: 20 minutes.

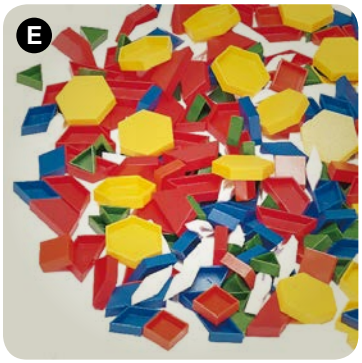
2495 2253847

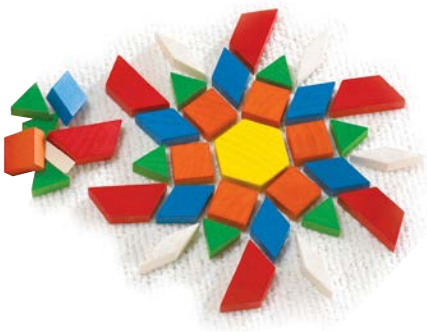
G Magnetic Tangram Sets

Classic Chinese mathematical puzzle. Includes 8 sets of 7 piece tangrams in 4 attractive colours, for a total of 56 pieces.

2395 2254415







A Mirrors set

How fascinating to lay blocks and geometric shapes on these mirrors, to see the visual effects created by the reflection! These 2 mirrors, attached to thick wood panels, can be used separately by 2 children, or together, to let children familiarize themselves with concepts such as upside down, symmetry, perspective and more. 2 panels 30 x 39 cm each. Suggested materials sold separately.

69.95 2023794

B Deci-Blocks

Explore a variety of concepts, including fractions, lines of symmetry, area, perimeter, patterning, tessellation, basic algebra, and decimal equivalence. Deci-Blocks expand the power of pattern blocks by adding six additional shapes to create a base ten manipulative. The ten Deci-Blocks shapes use the small green triangle as the basis for their design. Combining triangles results in a set of ten shapes that represent each number one through ten. 52-piece sets.

Plastic	**15.95**	2078988
Wood	**29.95**	2078996
Magnetic Foam	**16.95**	2079002

C Magnetic Pattern Blocks

Set of 200 magnetic foam hexagons, squares, triangles, trapezoids, parallelograms, and rhombi, in 6 different colours. Includes an activity booklet.

29.95 2254373

D Giant Magnetic Pattern Blocks

These 47 proportionately-sized pieces are 3 times the length of standard pattern blocks on each side (9 times greater in total area). Perfect to reinforce shape recognition, symmetry, congruency, fractions, area, etc., on a magnetic white board (3360690). Hexagon: 15.2 cm. With an activity guide.

33.95 2206365

E Pattern Blocks

Set of 250 pieces, in 7 different shapes and 6 colours. Ideal to create patterns on a mirror or for learning geometry, fractions, angles and symmetry. The breakdown of the hexagon into 2, 3 and 6 pieces can be demonstrated with the use of triangles, lozenges and trapezoids. Use them with Mosaics Pattern Cards (2253417).

Plastic pieces

12.95 2251619

Wooden pieces

37.95 2254829

Mosaics Pattern Cards

Set of 20 double sided colour cards, in 2 difficulty levels. Ideal addition to the Large foam mosaics pieces (see 2251619 or 2254829). **14.95** 2253417

Spacial Sense and Geometry

A

B

C

D

E

F

G

H

Architect Series

The Architek Series features 4 games developed to teach basic geometry principles: Equilibrio, Tangramino, Architecto and Perspecto. Games build visual discrimination, spatial organization and problem-solving skills, spark the imagination, and require dexterity and perseverance. All four use the same pieces, namely 18 precision-cut geometrical blocks in a variety of shapes, made of sturdy plastic in solid colours, used to build models of progressive difficulty. Each set includes a model booklet with coated, cardboard pages, and a convenient spiral binding. 1 to 3 players, in a single team. To increase the number of players, add additional blocks (see #2170108).

A Equilibrio	**34**^{95}	2181113
B Tangramino	**34**^{95}	2181600
C Architecto	**34**^{95}	2181089
D Perspecto	**34**^{95}	2073633

E Chess

Ideal teaching set for beginners. Soft vinyl chess board and weighted plastic chessmen. King is 9 cm high. Chessboard measures 50 x 50 cm.

23^{95} 2259299

F Self-teaching chess set – The right moves

Learn the right moves and master the classic game of kings. A game of strategy and planning where every move counts. Displays how each piece moves on the board. Plastic.

29^{95} 2183085

G Foam geometric solids

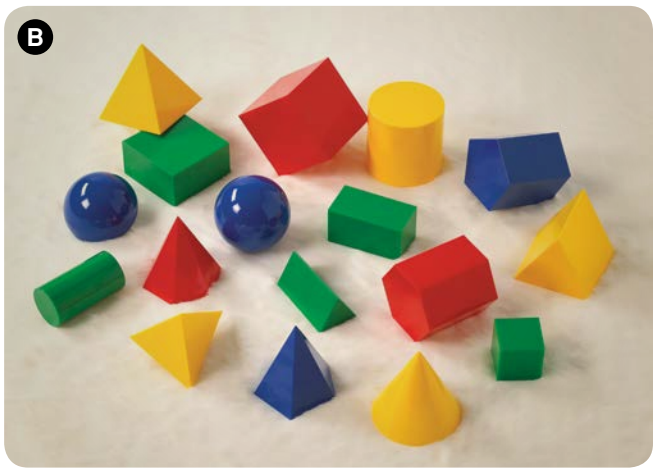
Set of 36 small assorted 3-D geometric foam shapes. Small cube is 4 x 4 cm.

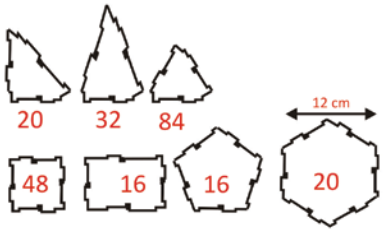
49^{95} 2258499

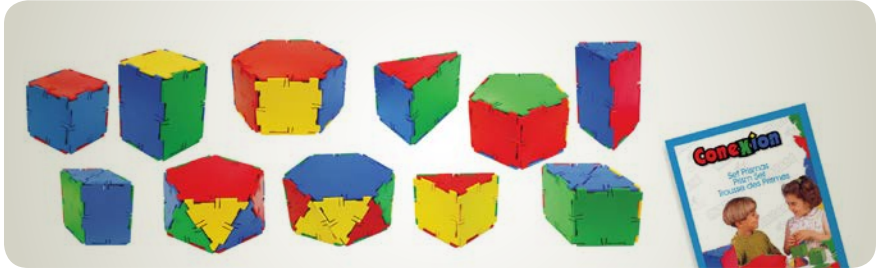
H Hands-On Soft Geometric Solids

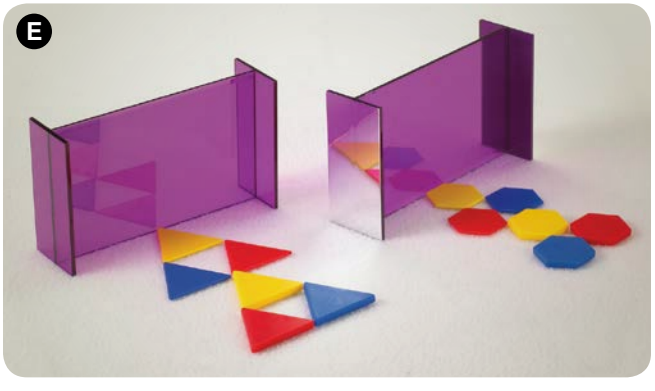
Set of 12 foam geometric 3-D shapes, in 3 colours, ranging in size from 5 to 7.5 cm. Includes a cone, a sphere, a hemisphere, a cube, cylinders, a pyramid, prisms and a rectangular solid. Comes with a teacher's guide.

32^{95} 2259687









A Folding 3-D GeoFigures

Translucent plastic 3D solids, to fill for volume study. Each solid includes a removable insert made of flexible plastic, which unfolds to reveal 2D nets. Their 10-cm common base helps measure the volume and surface area. The set includes 11 3D solids and 11 folding inserts.

37^{95} 2262707

B Large 3-D GeoFigures

These large geometric solids, characterized by a common size, can be used to explore volume, surface area and nets. 17-piece set includes small and large cubes, cone, square prism, sphere, square pyramid and more. Made of durable plastic with seamless edges. Base is 10 cm.

49^{95} 2262673

C Wood Geometric Solids

5 cm base.

Set of 12 pieces **18**^{95} 2262897
Set of 18 pieces **32**^{95} 2262905

D Conexion

Create 3D polyhedrons and volumetrically-made shapes with these sets of polygons. Each set includes a detailed teacher's guide.

84 Pieces **59**^{95} 2254308
236 Pieces **151**^{95} 2254316

E Reflecting symmetry mirror

See-through polished plastic surface with reflective qualities. Students gain an intuitive understanding of geometry, symmetry and congruence. 15 x 10 cm.

3^{55} 2254845

F Math-Vu Mirror

New 3-in-1 unit offers more features than any other: a geometry instrument with scale, a reflective enhancer card, a ruler/protractor template unit. With built-in bases at each end for both horizontal and vertical use. Red plastic. 15.4 x 9.3 cm. Convenient storage caddy.

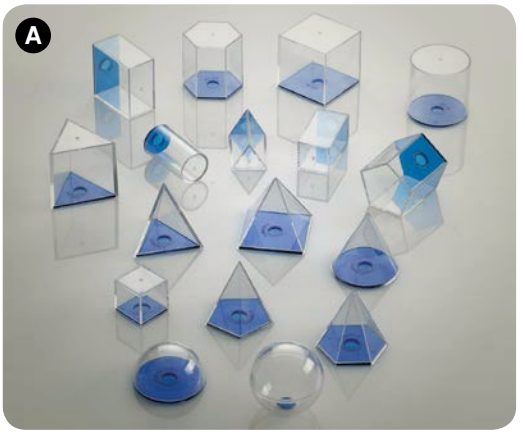
134^{95} 2256758

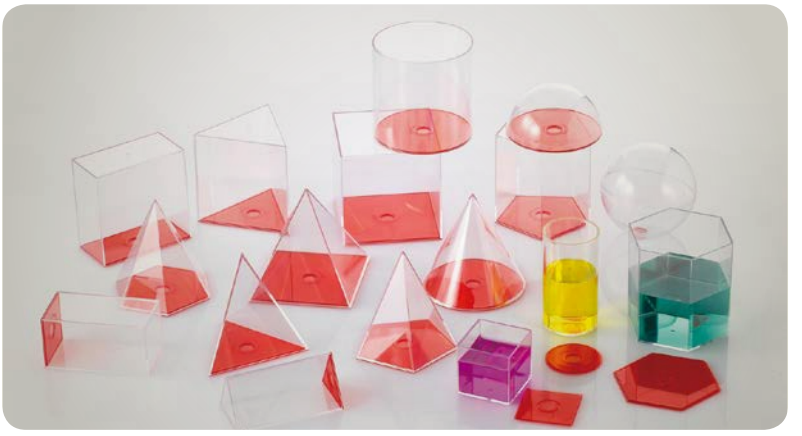
Pattern block unbreakable mirror

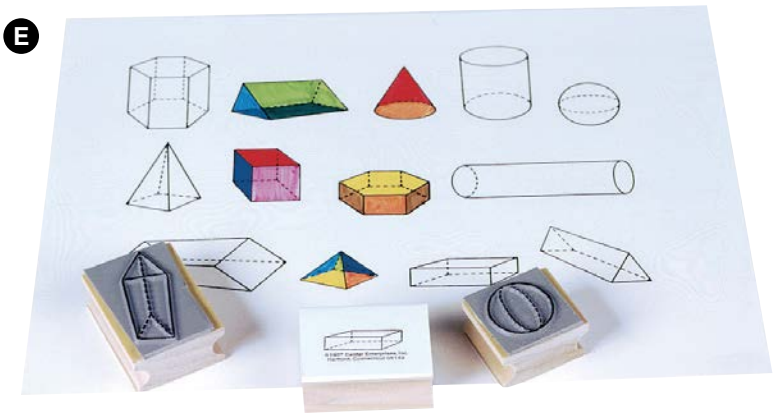
Teach symmetry with this shatterproof 10.8 x 8.4 cm plastic mirror. Not shown.

2^{50} 2080323

Spacial Sense and Geometry







A Relational Geometric Solids

Set of 17 geometric solids, designed to demonstrate the relationship between shape, size and volume. Hollow size-related spheres, cones, cubes, rectangles, cylinders, pyramids and polyhedrons have removable bases and stoppers (the sphere has a stopper only), allowing students to fill them with solids or liquids. Transparent plastic with coloured bases featuring the name of the solid.

5 cm Height **19.95** 2254795
10 cm Height **54.95** 2254803

B GeoSolids 5 cm

Set of 17 geometric solids designed to study the notions of volume, surface area and net. Sturdy plastic. Approximately 5 cm high.

26.95 2254787

C Mini GeoSolids

Set of 40 geometric solids in 10 shapes, each available in 4 bright colours: triangular prism, cone, cube, cylinder, rectangular prism, hexagonal prism, triangular pyramid, square pyramid, sphere and half sphere. Plastic, 2.5 cm high.

14.95 2254811

D Geometric solids to build

Set of 32 cardboard geometric solids to build. Includes 4 of each of the following volumes: cube, cone, square-based prism, rectangular-based prism, hexagonal-based prism, triangular prism, square-based pyramid and triangular-based pyramid. Cube is 7 x 7 cm.

14.95 2255685

E 3-D geometry – 13 stamps

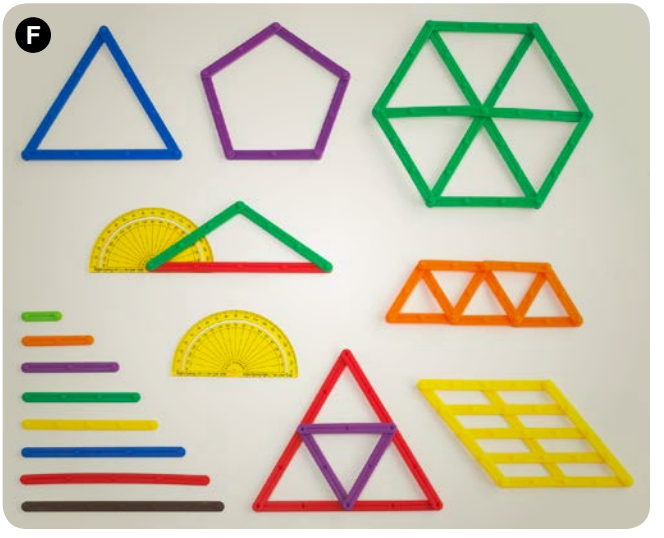
Includes 1 sphere, 1 cone, 2 cylinders, 1 cube, 1 rectangle, 2 pyramids and various polyhedrons. Wooden handle illustrating the corresponding volume. Long cylinder measures 7.9 x 3.8 cm.

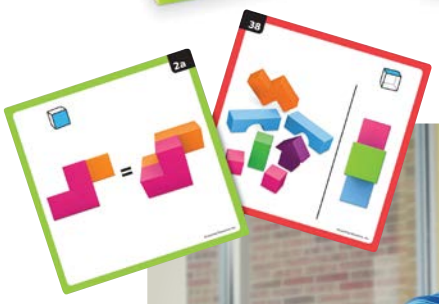
42.95 2256451

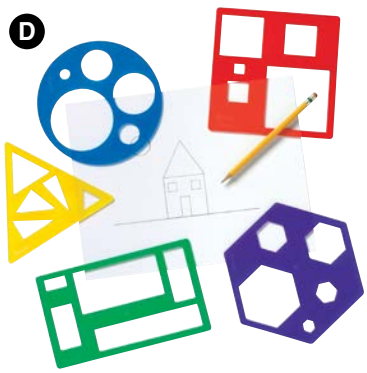
F GeoStix – student set

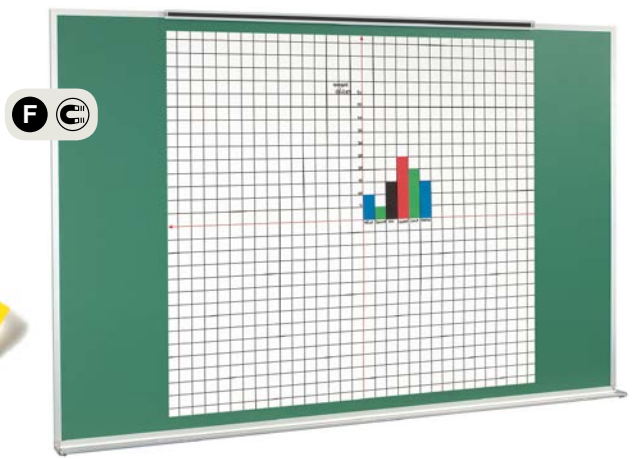
Clever visual aid designed to illustrate angle measurement and polygons. Includes 80 segments ranging in length from 2.5 to 15 cm, each length being one of 8 different colours. Segments snap together easily to form shapes, and (2) 10-cm protractors simply snap onto the segments to facilitate angle measurement. Information guide included.

14.95 2078707









A Cubissimo

Recreate a perfect cube using (7) 3D, colour wood polyominos, each made of 3 or 4 joined cubes, and 30 challenge cards, in 3 levels of difficulty, showing starting positions. 1 player.

28.95 2078624

B Mental Blox 360° 3D Building Game

Build 3-D puzzles from different visual perspectives. With 3 levels of play, to enhance problem-solving skills. Includes 42 challenge cards, with the solutions on the back, 15 colourful blocks and 1 activity guide. Largest piece is 11.4 cm long x 7.6 cm high. For 1 or more players.

36.95 2078921

C Katamino

Progressive puzzle where pieces are inserted in a tray to form a perfect rectangle. Includes 1 tray with a movable divider, to offer several levels of difficulty, 12 pentaminoes, small red and brown pieces to fill any "gaps" left (easier levels) and 1 booklet with rules, challenges and new 3D models to build. 1 or 2 players. All wood.

43.95 2184380

D Primary Shapes Template Set

Each shape template provides examples of the master shape, in varying sizes and orientations. Set of 5 templates made of durable and flexible plastic, in translucent colours to easily let children view their tracing lines after repositioning. Rectangle: 19 x 11.3 cm. With an activity guide.

11.95 2206373

E Geometric Templates

Set of 4 templates respectively cut with circles (red), squares (green), geometric shapes (yellow) and funny shapes (blue). Outside borders feature metric/imperial rulers. Flexible plastic. Blue template is 29 x 12.7 cm.

13.95 2262913

F Plastiportable

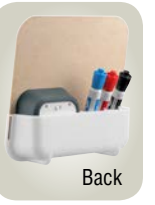
ABS vinyl boards stick to magnetic chalkboards with magnetic strips. Include 1 dry-erase marker, 1 eraser and 1 magnetic strip on each of their 4 sides. Come in a carboard tube for easy storage and carrying. 112 x 122 cm.

Plastiportable with Grid
Ruled with 5 cm squares. 112 x 122 cm.

104.95 3360955

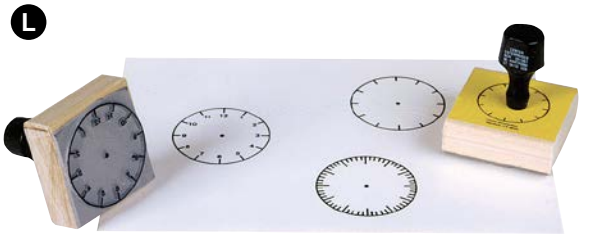
Plastiportable Grid with x and y Axes
Ruled with 3 8 cm squares. Red axes. 112 x 122 cm.

104.95 3360963



Hint from B²

"How much time is left?" *This ingenious tool is designed to promote an efficient use of time, master the concept of time, encourage autonomy and independence, achieve better time management, see elapsed time in a sound-sensitive environment, etc. Just move the disk counterclockwise to the desired time interval: the disk diminishes as time elapses, until no colour is visible on the timer surface. Silent quartz movement.*
From 1 to 60 minutes. Requires 1 AA battery (not included).
Beeps when the time is up.
Age: 3 +



Time Timer PLUS

Lightweight disk protected by a clear and durable lens and set with a center dial. User cannot touch the disk. Sturdy model, adjustable ring, self-standing case features a volume control dial on the back and a convenient carry handle. Precision quartz movement. Plastic. 14 x 17.8 cm.

A White **41.95** 2263648
B Black **41.95** 2263184
C White 20 minutes **48.95** 2263697
D White 120 minutes **48.95** 2263705

E Time Timer TWIST

Small, portable model with a convenient magnetic back sticks to magnetic surfaces (white boards, filing cabinets, refrigerators). Simply twist to set from 0-90 minutes. Silent operation, no ticking. Audible alert. Requires 1 AAA battery (not included). ø 85 mm x 23 mm thick.

26.95 2263713

F MOD Individual Time Timer

Features the style and durability of the Time Timer PLUS (2263184), as well as its clear, protective, glare-free lens over the red disk, and on/off switch for the audible alert, in a portable and easy-to-use anywhere size. With a removable, latex-free silicone cover which offers an extra layer of protection and keeps the timer in a vertical position for optimum visibility. 8.9 x 8.9 cm (including the cover). Standard charcoal cover.

39.95 2263390

G Time Timer MOD Dry-Erase Board

Simply pop the Time Timer MOD in the board and write your information (To Do list, activities, schedule, etc.). Back side features convenient plastic caddy for dry-erase markers. Time Timer MOD and markers not included. Fibreboard with plastic base 200 mm x 200 mm.

23.95 2263630

H Time Timer

"How much time is left?" This ingenious tool is designed to promote an efficient use of time, master the concept of time, encourage autonomy and independence, achieve better time management, see elapsed time in a sound-sensitive environment, etc. Just move the red disk counterclockwise to the desired time interval: the disk diminishes as time elapses, until no red is visible on the timer surface. Silent quartz movement.
From 1 to 60 minutes. Requires 1 AA battery (not included). Beeps when the time is up.

Individual Time Timer
7.5 cm side. **32.95** 2262558
Table Size
20 x 20 cm **36.95** 2262541
Wall Size
30 x 30 cm **42.95** 2256790

I Magnetic Demonstration Clock

Very handy large magnetic demonstration clock. Move the hands and write the time in the erasable section. Mobile hands for hours and minutes in contrasting colours, numbers for hours 1-12 and 13-24, as well as increments of 5, from 5-60 minutes. Sturday laminated surface. 30 x 37.7 cm high.

21.95 2240604

J Geared Clocks

24-hour clocks with hidden gears which maintain correct hour and minute relationships. Feature hours 1-12 and 13-24, and minutes in increments of 5. Red dials with contrasting white numerals, with colour-coded hands. Sturdy plastic.

Student Model
Set of 6. Diameter 6 5 cm.
22.95 2252872

Teacher Model
30-cm diameter. **17.95** 2252856

K Demonstration clock – write-on/wipe-off

Heavy-duty laminated clocks feature movable plastic hands and a place to write in the digital time.

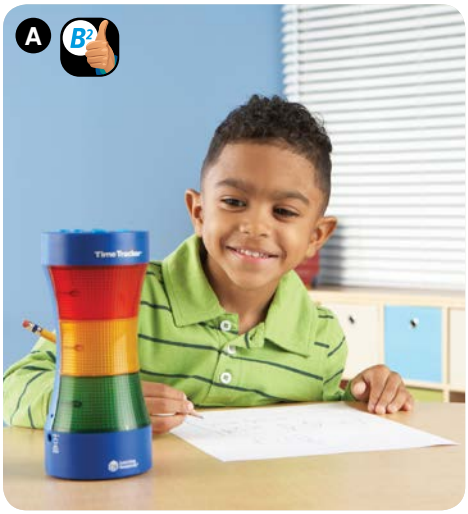
Student model – pack of 10
12.95 2335024

Demonstration size
30 cm square. 1 clock. **9.15** 2337962

L Clock stamps – set of 3

Analog. Large rubber stamps with wooden handle. Features a 12 hour clock face with numerals, a 12 hour blank clock face and a 60 minute blank clock face. 5.5. cm side.

18.95 2256436



A Time Tracker Visual Timer & Clock

Unique electronic timer features lighted green, yellow and red sections, a large, easy-to-read LCD display and 6 sound effects to indicate that time is running out, set limits to teach time management, allocate time for a variety of activities, and facilitate transitions. Easy programming, 180° viewing and volume control. Use with an AC adaptor or 4 AA batteries (not included). 23.5 cm high.

Timer **47.95** 2250066

B Dual Power Timers – Pack of 5

Can time up or down to 99 mins and 59 seconds. Feature handy size, alarm, dual power to always be charged and ready to go, and easy-to-use push buttons.
6.5 x 6.5 x 1.3 cm. Display is 5.3 x 2.5 cm. Pack of 5, one of each colour (red, green, blue, yellow, white) for easy identification.

44.95 2088482

C Sand Timers – Set of 3

Set of 3 plastic, colour-coded sand timers, which are 1-minute, 2-minute and 3-minute respectively. Plastic, with reinforced middle section. 9.7 cm tall.

12.95 2261394

D Calendar Pocket Chart

Blue nylon chart features 7 rows of see-through pockets for strips and cards, for months and days of the week (in English and in French), and dates (1-31) (included). Durable construction and sturdy grommets for easy hanging. 66 x 63.5 cm.

French only. **39.95** 2193993

E Teaching Clock

Feature hours 1-12 and 13-24, minutes in increments of 5, 12 small faces without numbers, with hands indicating full hours, and 4 small, fragmented circles indicating quarter hours. All natural and painted green and white wood. On 2 removable pegs (stand).

ø 25.6 cm. **17.95** 2206829

F Clock-calendar – Horloge-calendrier

Available in French only.

39.95 2250348

G Magnetic Time Activity Set

Durable plastic clock with magnets to adhere to any withe board. Hands are geared to move in accurate increments. Allows for hands-on reinforcement for learning about time. Supports differentiation and assessment as you or your children remove and replace magnetic foam numbers. Minute hand: 6.3 x 27.9 cm long. Numbers: approx. 10 cm tall.

39.95 2253979

H Giant Hourglasses

Sturdy, large-size hourglasses, with thick side-wall and moulded, hexagonal caps to prevent rolling off the play area. Colour-coded for easy indentification. Use in a variety of games, to time experiments, time allowed at the computer, etc. 7.4 x 16 cm high.

Red
30 seconds **16.95** 2262665

Green
1 minute **16.95** 2332633

Pink
2 minutes **16.95** 2330116

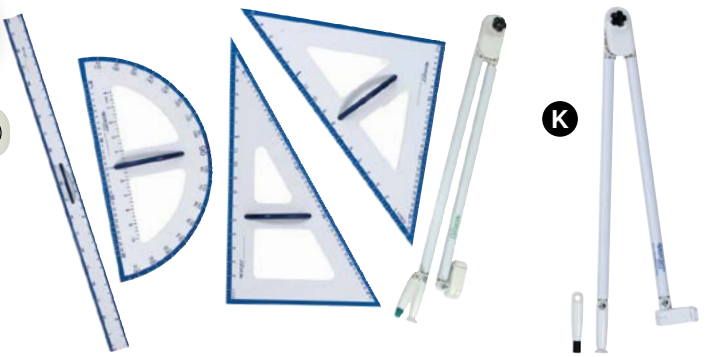
Yellow
3 minutes **16.95** 2335032

Blue
5 minutes **16.95** 2335222

Orange
10 minutes **16.95** 2330066

Purple
15 minutes **16.95** 2330082

Black
30 minutes **16.95** 2330108



A Liquid Volume Measurement Set

Includes 5 nesting measuring jars with coloured lids, which measure liquids from 50 ml to 3,000 ml, 3 measuring cups, 5 dry measure cups, and 6 measuring spoons. See-through or solid colour, high impact plastic.

3195 2079085

B Primary Pan Balance Scale

Features 2 translucent plastic pans marked at 200 mL increments, which hold up to 1 L of liquid or solids, and compensator clips for level and accurate measuring. Includes 5 x 1 g, 5 x 5 g and 5 x 10 g stackable weights which store easily in the bottom of the base. Made of durable, washable plastic. Assembled dimensions: 73.7 x 32.5 cm.

1995 2251536

C Elementary Pan Balance

User-friendly, colourful plastic pan balance features a wide base, removable, see-through pans and easy-to-read zero adjustment. Weights not included. 11 cm x 31 cm.

1695 2263531

D Junior Scale

A starter scale for young children. Simple device made of bright, colourful plastic. Designed to introduce the concepts of measuring, weight and quantity comparison, and using a scale.

2795 2263549

E Proportional Plastic Bear Weights

Set of plastic bear weights. 96 pieces weighted at 4 g, 8 g and 12 g in 4 colours to help children differentiate. Ideal complement to our Junior scale (product 2263549).

2395 2263523

F Demonstration thermometer – poster

Excellent way to introduce Celsius reading. Temperature range -50°C to 50°C. 15 x 90 cm

1295 2262301

G Indoor thermometer

195 x 60 mm. Reading: -35 °C to 55 °C.

440 2262343

H Beam scale

All-purpose heavy-duty scale with 2 deep, removable dishes of 10.8 x 10.8 cm. Accurate weight from 1 g to 2 kg with possible zero position adjustment. Includes: 10 brass weights from 1 g to 50 g, stored on either side of the base, 1 set of plastic tweezers and 1 activity booklet.

3195 2335321

I Graduated measuring cylinders

Graduated cylinders with embossed calibration for easy measuring. Wide, stable bases. Chemical and acid resistant. Autoclavable and microwavable. Made of tough transparent polypropylene plastic. Includes: 10 mL, 25 mL, 50 mL, 100 mL, 250 mL, 500 mL, and 1000 mL.

2995 2336733

J Westcott teacher's dry erase/ chalk boards geometry set

5-piece set for chalkboards or dry-erase boards. Includes 1 compass, 2 L-squares (30°-60°-90° & 45°-45°-90°), 1 protractor and 1 – 60 cm ruler. Compass features an adjustable grip which fits most dry-erase markers and chalks. White plastic, with magnets and handles.

8995 3010329

K Teacher's dry erase/chalkboard compass

Compass features an adjustable grip, which fits most markers and chalk. Draws circles up to 150 cm diameter.

2295 3010352

L Magnetic meter stick

Sturdy plastic, with handle.

2795 3010568

A A Plus Playing Cards

Giant, 11.5 x 17.3 cm, laminated, thick playing cards and rounded corners.

795 2078723

B Mammoth Playing Cards

Deck of ultra-large playing cards. Ideal to teach classic card games et introduce the concepts of series and probabilities. Cardboard cards with traditional figures. Measure a full 25 x 28 cm.

3695 2110286

C Large Symbol Playing Cards

Standard playing cards deck with large numbers and symbols. Ideal for visually or cognitive impaired players

175 2114270

D Playing Cards

Standard playing cards deck.

115 2114262

E Dice with Pockets

Create your own games with these dice featuring a large, sewn, see-through pocket on each side. Insert photographs, illustraded cards with shapes, colours, letters, numbers, pictograms, or any other daily theme. A fabulous way to enhance language and social skills. And with two dice (sold separately), just imagine the fantastic matching games you can play!

Small Size Economical
11 5 cm side.
Pockets measure 10 5 cm wide.
995 2179315

Small Size
16 cm side.
Pockets measure 11 5 cm wide.
3595 5042973

F Foam Dice Set

Set of 6 foam standard dice coated with polyurethane in 6 different colours.
7.5 cm each side. 6-sided.

3695 2254670

G Foam dice

High density foam die. Yellow with black dots.
14.5 cm square.

1695 5002977

H Magnetic Write-On & Wipe-Off Dice

Wonderful manipulatives to create your own fractions, operations and other specialty dice. Dry-erase markers leave no ghost images. Set of 4 small dice in assorted colours, 5 cm side.

3995 2262822

I 0-9 Spinners

Set of 5 dials divided into (10) 0-9 numbered sections. Ideal complement of multiple initiation to math activities.

875 2254696

J Colour Spinners

Set of 5 dials divided into 6 different coloured sections. Perfect to extend activities of logic and series, as well as multiple games.

980 2254704

A Mathable

Attractive version of the classic cross-number game inspired from Scrabble. Form simple mathematical equations, in a crossword format, on the squares which will earn you the most points. Includes 1 game board 38 x 35.5 cm, 106 tiles and 4 wooden tile-holders. 2 to 4 players.

31.95 2262640

B Mathable Quattro

Card game designed to practice additions, subtractions, multiplications and divisions. On their turn, players place one or more cards, each being the result of a basic math equation formed by 2 adjacent cards. The player who disposes all of his cards first wins the game. Includes (106) 0-90 number cards and the rules with a variation for younger players. Time: 15 minutes. 2 to 4 players.

9.95 2260404

C Dice Classpack

This complete math activity aid includes classic dice with dots, 56 dice iwth mathematical symbols: numbers 1-6 and 0-9, fractions, percentages, decimals, multiples of 10, 100 and 1000, as well as multi-face dice in 2 sizes and 7 colours. In a sturdy clear plastic case.

28.95 2240570

D 72 Dice with Dots Set

Set of 72 dice measuring 16 mm with 6 dots, in 4 colours. Perfect for various addition and subtraction activities, and inventing games. In a sturdy clear pastic case.

18.95 2240588

E Basic Dice Set

Ideal to teach number concepts, probability, counting and basic addition and subtraction, this classroom set includes (48) 16 mm dot dice in 4 colours and (24) 10-sided dice in 2 colours. 72 pieces, in a sturdy plastic case.

19.95 2078756

F Polyhedron dice with 10 sides

Pack of 5 Polyhedron dice, with 10 sides (numbered 0 to 9). Ideal to animate math activities in class. 18 mm, 5 colours.

6.85 2181840

G Polyhedron dice with 12 sides

Pack of 5 Polyhedron dice, with 12 sides (numbered 1 to 12). Ideal to animate math activities in class. 18 mm, 5 colours.

6.85 2183044

H Plastic 6-sided dice

16 mm. White. 1 to 6 black dots. Pack of 10.

6.20 2183630

I Blank dice

Pack of 10. 16 mm side. **6.55** 2183473

J Jumbo Dice in Dice

Set of (12) 3 cm dice in 6 colours, with a white inner die. Reinforce number concepts, counting, operations and probability with these popular double dice. Offered in a larger size perfect for little hands. Plastic. In a storage tub.

18.95 2206381

K Dominoes

Dominoes game, 2.5 x 5 cm, made of solid plastic, with color dots for easy identification. In a metallic box, with rules and instructions for several different games. 2 to 6 players.

Double 6 – 28 dominos **7.55** 2130854
Double 9 **12.95** 2011740

L Math Operator 4 Function Dice

Sets of 6 dice. Addition, subtraction, multiplication, division, greater than, greater than or equal to.

10.95 2251791

Hint from **B²**

Manipulation makes learning easier!

BeeBot encourages children to develop spatial coordination and logical sequences linked to programming. BeeBot is a popular tool to integrate notions of numeration, language, shapes and much more. This sturdy device is a source of creativity and a host of educational applications.

A Bee-Bot®

Great tool to develop intuitive programming through logical steps sequence. Program this pretty little bee robot's route by using the simple instructional buttons on its back. Bee-bot moves in 15-cm steps and emits sounds (can be deactivated) to confirm each step. Features a memory of up to 40 steps. Supplied with a USB lead, Bee-Bot can either be recharged via your computer or a wall socket with a USB mains adapter (not supplied). Automatically goes to sleep after 2 minutes of non-use. Approx. 4 hours of running time. Robust design with smooth-rolling, rubber wheels. Sturdy plastic. 13 x 10 x 7 cm high.

13295 2207694

B Bee-Bot® – 6 Robots Bundle

Includes 6 rechargeable Bee-Bots and 1 docking station acting as both a charger and safe storage. Can be wall-mounted with 6 Bee-Bots in situ. Charges Bee-Bots within half a day, approximately 4 hours of normal use.

75295 2207702

C Bee-Bot® – Starter pack

Includes 1 rechargeable Bee-Bot with USB charging lead, 4 activity mats (Treasure Island, Busy Street, Transparent Grid, and Long Transparent Grid), 1 set of 49 sequence cards, and 10 white clip-on shells to give Bee-Bot a makeover.

32995 2208031

Bee-Bot® – Interactive White Board Set

The perfect solution to combine manipulation with digital learning. This set uses IWB technology to bring the Bee Bot exercices to life. The set includes 1 interactive activities Bee Bot software license (1 user) compatible with smartboarding technology, 1 Bee Bot robot, 1 farm-theme playmat and 1 teaching guide. Not shown.

25495 2209732

Bee-Bot® – Group Set

Set includes 1 Class Bundle (6 rechargeable Bee-Bots and 1 docking station), 3 activity mats (1 Alphabet, 1 Treasure Island, 1 see-through grid), 1 set of 49 sequence cards, and 1 teacher guide. Not shown.

85995 2209963

Stand-alone Docking Station

Docking station acting as both a charger and safe storage for Bee-Bot® or Blue-Bot®. Can be wall-mounted with 6 bots in situ. Charges bots within half a day and offers approx. 4 hours of normal use. Not shown.

8495 2234862

Blue-Bot® Coding Solution

A Blue-Bot®

Just like Bee-Bot, this little bee robot allows your students to develop programming, logic and spatial orientation skills while having fun. 2 ways to program: using the buttons on the robot's clear shell (moves in 15-cm steps and rotates in 45-degree increments) or remotely, using Blue-Tooth technology (download a free app for iOS, Android, Windows and MacOS – in English only). Rechargeable battery. Use on the same challenge mats as Bee-Bot.

184.95 2209948

B Blue-Bot® Mat Pack

Perfect for getting students to replicate the mats they see on screen to the ones on the floor. Pack includes 6 Blue-Bots, 1 rechargeable docking station, 1 Farm mat, 1 Treasure Island mat, and 1 Fairy Tale mat. Can students code Blue-Bot to make its way from the forbidden swamp to the cove?

929.95 2088060

C Blue-Bot® – Class Bundle

Includes 6 rechargeable Bee-Bots and 1 docking station acting as both a charger and safe storage. Can be wall-mounted with 6 Blue-Bots in situ. Charges within half a day, approximately 4 hours of normal use.

899.95 2234771

Blue-Bot® Tactile standard tile pack

Code with Blue-bot! Place your individual tiles in a row on the reader to build up a sequence of instructions, press go and see Blue-Bot complete the program. Up to 3 readers can be connected together, so children can build a program of up to thirty steps. Unit is rechargeable and includes 25 TacTiles.

D Reader

189.95 2088045

E 25-Tile Extension Pack

Introduce extra functionality to the standard pack including 45° turns and repeats (x2, x3, x4, x5, x6, x8). Children can explore geometry and create efficient algorithms.

71.95 2088052

Blue-Bot® – Interactive White Board Set

The perfect solution to combine manipulation with digital learning! This set uses interactive white board technology to bring Blue-Bot exercises to life. Includes: 1 interactive activities Bee-Bot software license (1 user) compatible with IWB technology, 1 Blue-Bot robot, 1 transparent grid mat and 1 teaching guide. Blue-Bot can be programmed 2 ways using the buttons on the robot's clear shell (moves in 15-cm steps and rotates in 45° increments) and remotely, using Blue-Tooth technology (download a free app for iOS, Android, Windows and MacOS – in English only). Not shown.

275.95 2209955

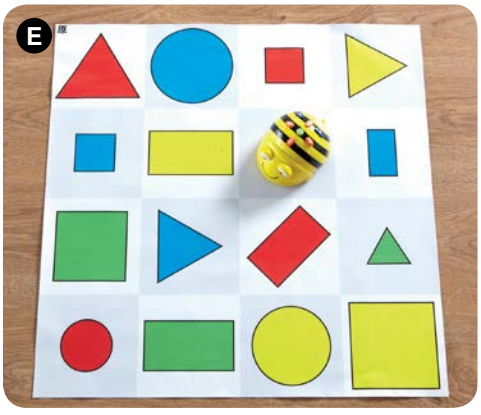
A

B

C

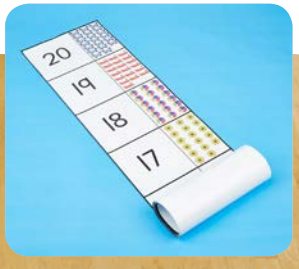
D

E



F

G



H

Bee-Bot® and Blue-Bot® Mats

The indexed grid pattern of this great, soft surface features squares matching Bee-Bot's or Blue-Bot's steps, for easier programming and navigating. A great variety of designs provides opportunities to enhance skills in numerous subjects. Easy-clean, durable vinyl. Simply roll up to store.

A Farm Yard
Introduce children to different animals, culture and crops, etc. 75 x 75 cm.
54.95 2207843

B Treasure Island
Explore the island and seek out the treasure, while developing story-telling and map-reading skills. 74 x 75 cm.
54.95 2207868

C Clear Grid
Place this versatile, clear mat on top of existing carpets or maps, to introduce or extend grid location and mapping skills. Or ask children to design their own mats: the possibilities are simply endless. 60 x 60 cm.
39.95 2207918

D Fairytale
Visit characters and scenery from familiar fairytales (Goldilocks and the Three Bears, Jack and the Beanstalk, The Three Little Pigs). With a teacher's guide. 120 x 45 cm.
54.95 2207850

E Shapes, Colours and Size
Features 1 shape per square, so each shape is 1 Bee-Bot step away from the next. Also great for numeracy activities. 60 x 60 cm.
54.95 2207884

F Alphabet
Features 4 plain squares and 26 squares showing a large lower-case letter and a small upper-case letter, for a variety of Lacy games. 75 x 90 cm.
54.95 2207876

G Story Mat
Take Bee-Bot ou Blue-Bot on three voyages of discovery with this unique story mat featuring stunning photography – a deep sea dive and mountain journey followed by a blast off into space. Use it with Bee-Bot, Blue-Bot or alone, as a story mat. Printed on to hard-wearing, scratch-resistant vinyl. 90 x 90 cm.
74.95 2088128

H 1 to 20 Number Line Mat
Helps physically reinforce number recognition, sequencing and counting from 0 to 10 using charming printed animals. Durable vinyl walk-on mat can be used in or outdoors. 28 x 165 cm. Ideal to use with Bee-Bot (sold separately; see 2207694, 2209948).
57.95 2234896

Bee-Bot® and Blue-Bot® Coding Solution

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Brault & Bouthillier Playmat Collection

Set of flexible and colourful surfaces designed to develop and optimize the learning process with Bee-Bot or Blue-Bot. The horizontal and vertical coordinates are the perfect opportunity for students to practice logic and spatial orientation skills.

A Face Playmat

Learn the anatomy and vocabulary of the human face. 105 x 75 cm

39.95 2209740

B Snakes & Ladders

Attractive, playful surface reproducing the popular Snakes & Ladders game. Ideal to practice numeration and sequencing skills as well as spatial orientation while having fun. Die not included. 120 x 120 cm. In French.

59.95 2209757

C Phonological Awareness

Set of two additional surfaces to practice phonological awareness skills. Using the Bee-Bot or Blue-Bot, the child must match a picture to a sound of vowel. 120 x 60 cm per surface. In French.

59.95 2209765

D Bee-Bot – Giant Sequence Bee-Bot Cards

Ideal for assisting in program planning and recording. Hold up or simply lay on the floor to create a route. Set of (49) 15 x 21 cm durable, laminated cards, each featuring a large, bold Bee-Bot button with written command, and its position on the Bee-Bot back. Bilingual.

43.95 2208007

E Code Master

Use programming logic to help your Avatar collect power Crystals and land at the Portal. Think carefully in each of the 60 levels, only one specific sequence of actions will lead to success! Solutions included. 1 player.

29.95 2079556

F Robot Turtles

In this fun, dynamic board game, players quickly learn to program their turtle's steps through a maze using instruction code cards, so it can reach its matching coloured jewel and unlock the next levels of play. Along the way, players will encounter bugs and walls requiring them to examine and edit their code. 4 levels of play and advanced rules for grown-ups. 2 to 5 players.

36.95 2014991

G Let's Go Code

This engaging step-by-step approach to early coding and programming concepts does not require a computer. Simply place the (16) 24 cm EVA foam mats on the floor and use the 20 coding cards to hop, step, and turn your way across the activity mats to practise problem-solving skills. Also features die-cut pieces including robots, gears and arrows, and a full-colour guide with sample mazes and coding overview.

Age : 5 +

42.95 2096949

Cubelets,

Simply assemble the cubes to create programming-less robots!

Wireless cubes of about 4 cm, which connect to each other magnetically and communicate with each other. Cubelets are directly usable and require no programming, configurations or modifications. Each Cubelet has a different function.

Transparent Cubelets
They are "Action" Cubelets, i.e. they carry out an action based on the signal they receive. Action Cubelets include the rotation Cubelet, the motor Cubelet, the speaker Cubelet and the light emitting Cubelet.

Black Cubelets are "Sensors" Cubelets
Such as the temperature sensor Cubelet, the distance sensor Cubelet, and the light sensor Cubelet. The Cubelets sensors create a signal that is proportional to the value they measure.

Coloured Cubelets are "Think" Cubelets
which transform the signal from the sensors Cubelets by modifying the values circulating between the cubes. Cubelets Brick Adapters also let you pair with LEGO® and other brick-based constructions to bring your creations to life.

Add a Bluetooth Cubelet to your construction, to create responsive, remote control robots or reprogram Cubelets to exhibit new behaviours.

Join me @ bb.ca for interactive, open source activities for preschool and all elementary.
modrobotics.com/education/#lesson-plans

Cubelets – Educator Packs

A Inspired Inventors

Ultra-comprehensive pack includes all types of Cubelets and accessories. Features 162 Think, Sense and Act Cubelets, 48 adapter Cubelets for LEGO®, (2) 5-port chargers and 10 charging cables. In 6 storage tubs.

5,29995 2088599

Creative Constructors

Designed to help your students grasp the basics of robotics programming, use mathematics, logic and teamwork to create the best robot, and invent brand-new functionalities. Features 56 Think, Sense and Act Cubelets, 8 adapter Cubelets for LEGO®, (1) 5-port charger and 5 charging cables. In 2 storage tubs.

1,94995 2088607

Mini Makers

Developed especially for teaching modular robotics to nursery school children, this pack features 54 Think, Sense and Act Cubelets, 24 adapter Cubelets for LEGO®, (1) 5-port charger and 5 charging cables. In 2 storage tubs.

1,89995 2088615

B Cubelets Six Kit

Ideal to create simple, mobile and reactive robots. Includes 1 each of drive, flashlight, brightness, distance, battery 2.0 and passive Cubelets, 1 micro-USB charging cable, and 2 Brick adapters. Requires 1 lithium ion battery (included).

18995 2088565

C Cubelets Twelve Kit

Perfect to easily create your first robots, without welding or soldering, and quickly program and reprogram them! Set includes two each of drive and distance Cubelets, one each of rotate, flashlight, brightness, blocker, inverse, passive, Bluetooth and battery Cubelets, 1 micro-USB charging cable, 2 brick adapters, an adapted handbook and robot recipe cards. 1 lithium polymer battery required (included).

34995 2088573

Cubelets Twenty Kit

Build thousands of interactive robots, and experiment with mobile robotics and logical constructions. Kit includes 15 different types of Cubelets, two each of the drive, distance, inverse, passive, and blocker Cubelets, one each of the flashlight, rotate, speaker, bar graph, temperature, knob, brightness, maximum, minimum, and battery Cubelets (now with 30% greater power capacity, so you can play longer than ever), brick adapters, charger, as well as robot recipe cards for starter robots (more ideas available online). Requires 2 lithium ion batteries (included).

57995 2088581

D Cubelet Battery 2.0

Power your robot through this battery Cubelet 2.0 which contains 2 rechargeable batteries. New version now provides 30% more power and easily recharges via Micro USB.

4695 2088623

E Bluetooth Cubelet Robotic Kit

Remote control or reprogram! Add to any Cubelets kit to extend your robot. The Bluetooth Cubelet contains a tiny Bluetooth radio that you can pair with your phone, tablet or PC. It also provides a gateway to stay up-to-date with Cubelets technology. The Bluetooth Cubelet is compatible with iOS and Android devices. This Cubelet is pre-loaded with the newest Cubelets operating system, Cubelets OS 4. Requires 2 lithium ion batteries (included).

6995 2088631

A

Dash & Dot

designed to teach creative problem-solving, coding and robotics.

Children send commands to robots to move them, light them up, and have them detect the world around them, using 5 free coding and robotics applications (in English) for iPad and Android tablets: Go (K +), Xylo (Gr 1 +), Path (Gr 1 +), Wonder (Gr 3 +) and Blockly (Gr 3 +) Compatible with Apple's Swift Playgrounds for iPad with iOS10, Blocklify and Blocklify 4 Kids (free, multilingual) for phones and tablets with Android 4.4+ and for iPad and iPhone with iOS 8.1+.

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A Dash

Dash is a storyteller robot that reacts to the voice and helps children explore their surroundings. Fully charged and ready to play when leaving the box, he loves adventure, making music and solving challenges. Includes 1 USB cable. Tablet not included.

199.95 2089654

B Dot

Dot is the brains of a robot. Dot is stationary and comes with several games children can play right out of the box, such as Magic Dot Ball, Dot of Music, and Light Sword. Includes a USB cable. Tablet not included.

64.95 2089662

C Dash & Dot – Wonder Pack

The Wonder Pack is the most popular and most comprehensive Wonder Workshop solution. This complete classroom package offers you the greatest learning and playing experience. Includes 1 Dash, 1 Dot, 1 Launcher, 1 Xylophone, 4 Building Brick Connectors, and 1 set of accessories (Bunny Ears, Bunny Tail, Tow Hook, and Bulldozer Bar). Bricks and tablet not included.

374.95 2089712

D Dash & Dot – Launcher

Transforms your Dash robot into a projectile-launching machine. Because it's powered by Dash, children can learn how simple machines like a lever work in a fun way. Includes 3 projectiles and 6 stacking targets that can attach to LEGO®-compatible bricks to build intricate targets. Bricks, Dash and tablet not included.

39.95 2089704

E Edison V2.0 Robot

This ultra-sturdy, programmable robot features more built-in sensors than any robot in its class. It responds to light, sound, and TV/DVD remote controls, follows lines and avoids obstacles, communicates with other Edison robots, and connects to other Edison robots and LEGO bricks.

Quickly unlock its robotics capabilities through simple barcode programs. Progress from drag-and-drop graphical icon-based EdBlocks, to hybrid EdWare, then to Python-based EdPy. You can easily use the same Edison robot with different languages.

EdPack 1
Includes 1 Edison robot and 1 EdComm programming cable.

59.95 2473635

EdPack 10
Includes 10 Edison robots and 10 EdComm programming cables.

539.95 2473643

F BBC micro:bit – Go Bundle Single Board Computer

With this pocket-sized computer, you can code, customize and control your micro:bit from anywhere, and use it for all sorts of unique creations, from robots to musical instruments and more. It can detect motion and tell you which direction you're heading. It can also use Bluetooth Low Energy (BLE) to interact with other devices and the Internet.

Tiny 5 x 4.2 cm board features: 32-bit ARM Cortex-M0 CPU, 256 KB Flash, 16KB RAM, 5x5 Red LED Array, Two Programmable Buttons, Onboard Light, Compass, Accelerometer and Temp Sensors, BLE Smart antenna, Three Digital/Analog Input/Output Rings, Two Power Rings 3V and GND, 20-pin Edge Connector, MicroUSB Connector, JST-PH Battery Connector (Not JST-XH), Reset Button with Status LED. Kit includes the micro:bit, a short USB cable, a AAA battery holder, AAA batteries and a Quick Start Guide with 4 unique ideas.

One unit **26.95** 2016582
Pack of 10 units **259.95** 2016608

A Cue Robot – Onyx

A texting robot! Powered by breakthrough Emotive AI, Cue is a witty robot with attitude! The Cue app takes robotics to the next level. Choose from 4 unique hero avatars that each has an amazing depth of personality, expressions, and actions. Engage in witty chat with Cue (with more than 30,000 different, preprogramed answers), control Cue's movements, create reactive sensor behaviours, or code creative interactions such as games and challenges using block or JavaScript programming at the skill level that's right for you. Features 3 proximity sensors, real-time Bluetooth, IR robot interaction, 3 processors & sensor fusion, dual motors & potentiometers, 3 microphones & speaker, programmable LED & buttons and 2 powered wheels & encoders. Includes Cue robot, charger, stickers and connector blocks. Cue app required (free to play).

259^{95} 2016194

B Airblock Drone

Build it. Code it. Fly it! Airblock by Makeblock is the world's first modular and programmable drone which can be turned into a hovercraft that glides across solid ground or water, a car, and more! Use easy drag & drop graphical codes to program and style your very own specific aerial stunts and manoeuvres. It's safe (parts are made of engineered plastic foam) indoors and out and easy to use. With magnetic attachments and modularity, and without using any tools, the Airblock drone can be formed into a variety of modes inspiring DIY and creativity. Control your drone via Bluetooth employing the Makeblock app for both Android and iOS. Flight time is 6 minutes. Maximum range is 10 m. Maximum speed is approx. 1.5 m/s. In hovercraft mode, could hover with a speed of 2.5 m/s. Drone measures 23 x 22 x 5.3 cm.

249^{95} 2017366

C Dash & Dot – Classroom Packs

The Club Pack	Includes 2 Dash, 2 Dot, 2 launchers, 8 building brick connectors and 2 accessory packs. With 2 challenge card box set and all the other curriculum components. Not shown.	**$ 969.95**	2016483	x 2
The Classroom pack	Includes 6 Dash, 6 Dot, 6 launchers, 24 building brick connectors and 6 accessory packs. With 6 challenge card box set and all the other curriculum components. Not shown.	**$ 2,648.95**	2016467	x 6
The Tech Center Pack	Includes 12 Dash, 12 Dot, 12 launchers, 48 building brick connectors and 12 accessory packs. With 12 challenge card box set and all the other curriculum components. Not shown.	**$ 4,997.95**	2016475	x 12

A WeDo 2.0 – Construction Set and Software

It features 1 Get Started Project, 8 Guided Projects with step-by-step instructions and 8 Open Projects with initial design that inspires open-ended problem solving and exploration.

219[95] 2497154

Hint from **B²**

LEGO Education recommends a "Bled112 Bluetooth Smart Dongle" for pc's that are not equipped with Bluetooth 4.0 low energy technology (see 2032753).

WeDo 2.0

Stimulate your students' curiosity in the areas of science, engineering and coding, while developing their computational thinking to solve real-life inspired situation problems.

WeDo 2.0 supports you all the way by delivering an inspiring and complete teaching resource that builds students' confidence to ask questions, define problems, and design their own solutions.

WeDo 2.0 features relevant, classroom-friendly technology to enhance your science lessons. It features simple and colorful drag-and-drop programming, a Get Started Project, a digital documentation tool that supports the collection of information and is desktop and tablet compatible.

The core set serves two students, provides a building experience that promotes experimentation, and includes: one WeDo 2.0 Smarthub, medium motor, motion and tilt sensors, 280 LEGO® System elements and a storage bin including sorting tray with labels, as well as a free software curriculum pack.

Hint from **B²**

In addition to recommended bundles, you can also purchase WeDo 2.0 components separately to create your own package.

WeDo 2.0

		Unit price	2 Children Station 2497857	8 Children Station 2497865	20 Children Station 2497873
2497154	LEGO Education WeDo 2.0 Construction Set and Software	$ 219.95	1	4	10
—	Guide pédago dans le programme de formation	$ 49.95	1	1	1
—	Vocabulary poster	$ 10.95	1	1	1
2497170	Rechargeable battery	$ 81.95	1	4	10
2496438	Charger	$ 41.95	1	4	10
2497790	TWeDo 2.0 Zone01 Challenge Mat G 122 x 144 cm	$ 164.95	0	0	1
Regular price			**$ 404.75**	**$ 1,436.30**	**$ 3,664.35**
Promotional price			**$ 345.95**	**$ 1,279.95**	**$ 3,099.95**

LEGO education

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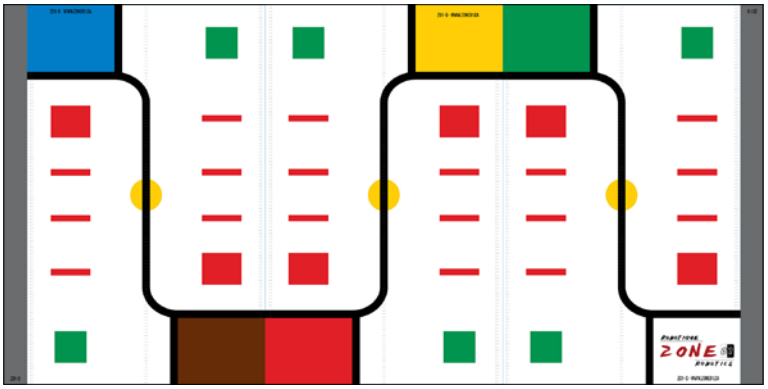

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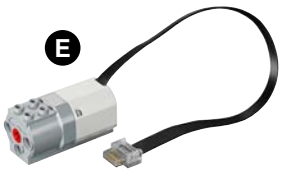

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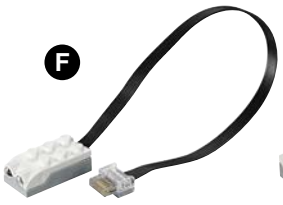

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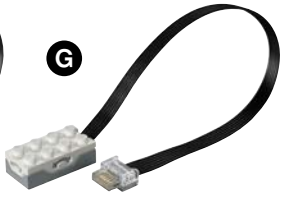

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A WeDo 2.0 – Technological Vocabulary Poster

Full colour poster features parts included in the LEGO® Education WeDo set with their name, in English and in French. Included in the promotional kits form B&B.

1095

B WeDo 2.0 – Zone01 Robotics Challenge Mat G

Robotics challenge mat for WeDo 2.0. Vinyl. 122 x 244 cm (4' x 8').

16495 2497790

C WeDo 2.0 –Smarthub

Two-port Smarthub enables WeDo 2.0 motors and sensors to come to life. Using the WeDo 2.0 software and BLE (Blue-Tooth Low Energy) technology, the Smarthub transmits data to your WeDo 2.0 constructions from a tablet or computer. Powered by 2 AA batteries or a rechargeable battery (2497170).

8195 2497162

D WeDo 2.0 – Replacement Parts

This replacement part set includes elements of the basic LEGO® Education WeDo 2.0 set.

1595 2497220

E WeDo 2.0 – Medium Motor

This medium-strength, medium-sized M-Motor fits within 3 modules both in width and height. Features 2x2 studs on top and, with a snap interface in the front, easily fits into WeDo 2.0 and TECHNIC constructions. No setup required: connect the motor and it is automatically detected by the WeDo 2.0 software.

3195 2497188

F WeDo 2.0 – Motion Sensor

Connect the motion sensor to the WeDo 2.0 Smarthub to detect objects within a range of 15 cm, depending on the design of the object. No setup required: connect the sensor and it is automatically detected by the WeDo 2.0 software.

3195 2497196

G WeDo 2.0 – Tilt Sensor

Attach the Tilt Sensor to the WeDo 2.0 Smarthub and it can detect 7 different types of orientation: tilt this way, tilt that way, tilt up, tilt down, no tilt, any tilt, and shake. No setup is required: simply connect the tilt sensor and it will be identified automatically by the WeDo 2.0 software.

3195 2497204

H WeDo 2.0 – Battery and Charger

Lithium-ion WeDo 2.0 rechargeable battery (2497170) and charger (2496438).

9995 2497725

LEGO – AC Adapter – Charger for Rechargeable Battery

For use with the LEGO Intelligent Brick EV3 and WeDo 2.0.

4195 2496438

I WeDo 2.0 – Rechargeable Battery

Rechargeable lithium-ion battery for the WeDo 2.0 Smarthub. A built-in LED indicates battery-charging status. Charger sold separately, see 2496438.

8195 2497170

J Alkaline Batteries

AA, pack of 4 **4**95 2332534

K Bluetooth Dongle

Bluetooth 802.15.1 dongle, compatible with the WeDo 2.0 smart hub. Recommended for use with Windows 7 and Windows 10 PCs.

3495 2032753

Mindstorms EV3

Learn STEM, develop 21st century skills and boost motivation.

Two Large Servo Motors
- Built-in rotation sensor
- One degree accuracy
- AutoID

Wi-Fi Communication

One Medium Servo Motor
- Built-in rotation sensor
- One degree accuracy
- AutoID

One Ultrasonic Sensor
- Measures distance
- Detects objects
- AutoID

One Colour Sensor
- Detects colours
- Measures light intensity, ambient and reflected light
- AutoID

The EV3 Brick
- Auto detects control sensors and motors
- Play sound, display image, control light
- On brick programming interface
- Built-in Bluetooth

One Gyro Sensor
- Measures angles
- Measures accumulated angles
- AutoID

Two Touch Sensors
- 3 different modes
- Pressed, released, hit counter
- AutoID

A MINDSTORMS® EV3 Core Set and Software

This core set is optimized for classroom use and contains all you need to teach using the exciting LEGO® MINDSTORMS® set. It enables students to build, program and test their solutions based on real life robotics technology. It contains the EV3 Intelligent Brick, a powerful small computer that makes it possible to control motors and collect sensor feedback. It also enables BT and WiFi communication as well as providing programming and data logging.

The set includes:
- Three interactive servo motors
- Built-in rotation sensor and ultrasonic sensor
- Color/light sensor, gyro sensor and two touch sensors
- Rechargeable battery
- Ball wheel
- Connecting cables
- Building instructions
- LEGO Technic building bricks for creating a vast variety of models
- LEGO® MINDSTORMS® Education EV3 software

LEGO® MINDSTORMS® Education EV3 software uses intuitive software design, which results in an extremely user-friendly interface.
- Intuitive icon base programming
- Easy to learn, use and understand
- Intuitive Drag and Drop programming
- From simple to complex programs
- Comprehensive teacher guide

PC Compatible (XP SP2+) and Mac Compatible (10.5+)

The installation code of the application is delivered when you download your LEGO® MINDSTORMS® Education EV3 software, for Mac or PC. Cannot be sold separately.

Promo price valid until December 31st 2018.

Promo Price **399.95** ~~475.95~~ 2496974

B MINDSTORMS® EV3 Expansion Set

This set contains a wide range of elements and is an ideal complement to the EV3 Core Set. It has been designed to allow students to take their experience with robotics to the next level. There are plenty of special elements here, such as different gears, a large turntable, robot personalization parts and unique structural elements. These are joined by many extra standard elements like beams, axles and connectors. Take your robot builds to the next level with a wide range of elements that allow you to build and program MINDSTORMS Education models with even more functions than ever before.

134.95 2495570

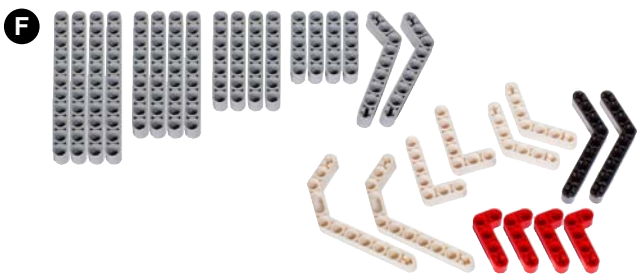
C MINDSTORMS® EV3 – Space Exploration

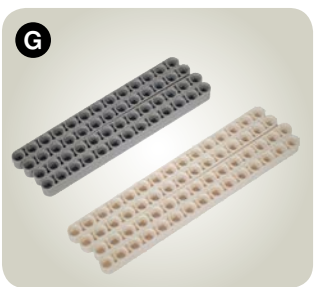
Designed for use with the LEGO® MINDSTORMS® Education EV3, this Pack will introduce to robotics with a very current and real-world theme: traveling to and living on Mars! The LEGO MINDSTORMS Content Editor features all the tools students need to document and present their findings and results as they progress through the material.
Includes: (3) 91.4 x 61 cm learning mats, (1) 182 x 122 cm challenge mat, a large number of LEGO® elements for building the challenge models. 30+ hours of activities (including challenge missions developed with input from NASA and research projects co-developed with NASA), and detailed teacher notes are available for free on Education.LEGO.com.

297.95 2496271

EV3

		Unit price	Class 2497881	Class plus 2497899	Complete class 2497907	Complete class plus 2497915
2496974	LEGO® Mindstorms® Education EV3 Core Set and Software	$ 475.95	8	8	12	12
2495570	LEGO® Mindstorms® Education EV3 Expansion Set	$ 134.95	0	1	0	1
—	LEGO® EV3 Technological Vocabulary Poster	$ 10.95	1	1	1	1
—	Introduction to Educational Robotics	$ 69.95	1	1	1	1
2496925	LEGO® EV3 Ocean Learning Mat Set and Activity Guide	$ 139.95	0	1	0	1
2496271	LEGO® EV3 Space Exploration	$ 297.95	0	1	0	1
2492759	LEGO® Education – Renewable Energy Add-On Set	$ 152.95	0	1	0	1
2492239	LEGO® Mindstorms® Education – temperature probe	$ 53.95	0	1	0	1
Regular price			**$ 3888.50**	**$ 4668.25**	**$ 5792.30**	**$ 6572.05**
Promo price			**$ 3280.50**	**$ 4060.25**	**$ 4880.30**	**$ 5002.95**





A Mindstorms® EV3 – Replacement Parts Set #1

This set contains replacement parts for the EV3 Core Set and the EV3 Complementary Set.

15[95] 2497014

B Mindstorms® EV3 – Replacement Parts Set #2

This set contains replacement parts for the EV3 Core Set, the EV3 Complementary Set and other LEGO parts.

15[95] 2497022

C Mindstorms® EV3 – Replacement Parts Set #3

This set contains a ball and a ball articulation for the EV3 Core Set.

21[95] 2497030

D Mindstorms® EV3 – Replacement Parts Set #4

This set contains parts from the Green City Challenge Set.

15[95] 2497048

E Mindstorms® EV3 – Replacement Parts Set #5

This set contains parts for the Space Conquest EV3 Challenge.

15[95] 2497055

F Mindstorms® EV3 – Replacement Parts Set #6

This set contains replacement parts for the EV3 Core Set, the EV3 Complementary Set and other LEGO pieces.

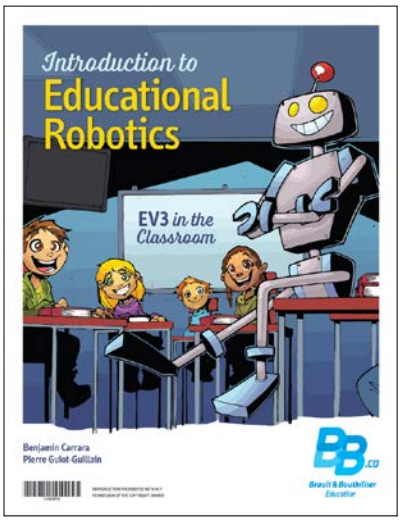
15[95] 2497063

G Mindstorms® EV3 – Replacement Parts Set #7

This set contains replacement parts for the EV3 Core Set, the EV3 Complementary Set and other LEGO pieces.

15[95] 2497071

LEGO Mindstorm Education EV3



Hint from **B²**

B&B is proud to contribute to the success of educational robotics by developing these exclusive resources.

A Introduction to Educational Robotics

Book intended for grade school and high school teachers and robotics specialists, for the introduction to educational robotics, using LEGO Mindstorms EV3. Contains a chapter on class and materials management, 10 turnkey projects with a student book and assembly plans, as well as a step-by-step guide for a robotics personal project for your students. Bilingual edition, 196 pages. Included in the promotional kits from B&B.

69.95 —

B MINDSTORMS® EV3 – Technological Vocabulary Poster

Features the names of the components of the EV3 Robotics Set. Bilingual. 43 x 61.6 cm (17" x 24"). Included in the promotional kits from B&B.

10.95 —

C MINDSTORMS® EV3 – IR Beacon

Designed for use with the EV3 Infrared Seeker Sensor. The beacon emits an infrared signal which the sensor can track.

41.95 2495638

D MINDSTORMS® EV3 – Intelligent Brick

This programmable, intelligent brick serves as the heart and brain of LEGO® MINDSTORMS® Education EV3 robots. It features an illuminated six-button interface that changes color to indicate the brick's active state, a high-resolution black and white display, built-in speaker, USB port, a mini SD card reader, four input ports and four output ports. The brick also supports USB, Bluetooth and WiFi communication with a computer and has a programming interface that enables programming and data logging directly onto the brick. It is compatible with mobile devices and is powered by AA batteries or the EV3 Rechargeable DC Battery.

256.95 2495687

E LEGO® MINDSTORMS® Education – temperature probe

Measures the temperature of ambiant air or liquid solutions, between -20°C and 120°C.

53.95 2492239

F MINDSTORMS® EV3 – Medium Servo Motor

The EV3 Medium Servo Motor is great for lower-load, higher speed applications and when faster response times and a smaller profile are needed in the robot's design. The motor uses tacho feedback for precise control within one degree of accuracy and has a built-in rotation sensor.

28.95 2495612

G MINDSTORMS® EV3 – IR Sensor

The digital EV3 Infrared Seeking Sensor detects proximity to the robot and reads signals emitted by the EV3 Infrared Beacon.

41.95 2495620

H MINDSTORMS® EV3 – Color Sensor

The digital EV3 Color Sensor distinguishes between eight different colors. It also serves as a light sensor by detecting light intensities.

54.95 2495646

I MINDSTORMS® EV3 – Gyro Sensor

The digital EV3 Gyro Sensor measures the robot's rotational motion and changes in its orientation.

41.95 2495653

J MINDSTORMS® EV3 – Touch Sensor

The analog EV3 Touch Sensor is a simple but exceptionally precise tool that detects when its front button is pressed or released and is able to count single and multiple presses.

28.95 2495661

K MINDSTORMS® EV3 – Ultrasonic Sensor

The digital EV3 Ultrasonic Sensor generates sound waves and reads their echoes to detect and measure distance from objects.

41.95 2495679

L MINDSTORMS® EV3 – Large Servo Motor

The EV3 Large Servo Motor is a powerful motor that uses tacho feedback for precise control to within one degree of accuracy. By using the built-in rotation sensor, the intelligent motor can be made to align with other motors on the robot so that it can drive in a straight line at the same speed. It can also be used to give an accurate reading for experiments. The motor case design also makes it easy to assemble gear trains.

34.95 2495695

M MINDSTORMS® EV3 – Rechargeable DC Battery

The lithium ion EV3 Rechargeable DC Battery is designed for use with the EV3 Intelligent Brick and features a capacity of 2050 mAh. It provides longer run time than AA batteries and can be charged without taking the model apart. The battery is included in the EV3 Education Core Set and has a charge time of around three to four hours. It requires the DC Charger, which is the same charger used for the rechargeable NXT DC Battery.

115.95 2495703

LEGO® MINDSTORMS® Education – Set Of 7 Connector Cables

(4) 25 cm, (2) 35 cm, (1) 50 cm. Not illustrated.

21.95 2496834

LEGO education

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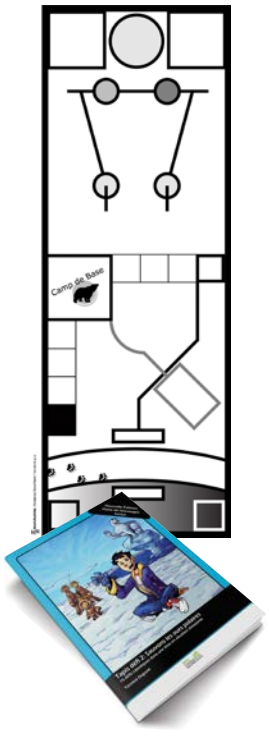

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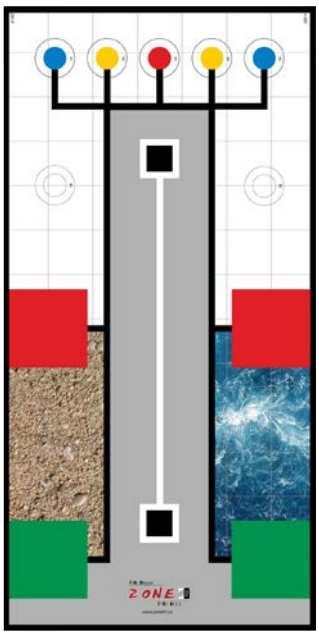

A Robotics Challenge Mat #3 – Robot City

This work surface allows you to take full advantage of the EV3 Brick's functional capabilities. This all-vinyl, highly-durable new Challenge Mat is the ideal teaching complement. Optimized for LEGO® MINDSTORMS® Education EV3 and works with RCX and NXT.
122 x 244 cm (4' x 8').

139^{95} 2495844

B Sumo Playing Field Robotics Challenge Mat

Playing field of 122 x 122 cm for your robotized Sumo-like combats. Vinyl made. Challenges available online.

89^{95} 2495323

C Robotics Challenge Mat #2 – Save the Polar Bears

Get ready for a big adventure! The students' mission is to save the polar bears from the perils of global warming, the sea ice melting. More than 15 challenges presented. Vinyl-made. Activity leaflet included. 91 x 244 cm (3' x 8'). For NXT and RCX robots.

105^{95} 2490738

D Robotics Challenge Mat – The Migration of the Monarch

Practice robotics skills while discovering biology, ecology and the environment by following the amazing trajectory of the Monarch butterfly. Surface optimized for EV3. All vinyl. Comes with a booklet of challenges and set of figurines representing the life cycle of the Monarch (2339695).
122 x 244 cm (4' x 8').

139^{95} 2496412

E Mindstorms® EV3 – Ocean Learning Mat Set and Activity Guide

Custom challenges for different levels (beginners, intermediate, advanced), optimized for LEGO® Mindstorms EV3. Develops school robotics related skills while promoting awareness of ocean pollution and responsible fishing. Includes: 1 colour vinyl learning mat 122 cm x 244 cm (4' x 8'), and detailed, bilingual activity guide.

139^{95} 2496925

F Zone01 Robotics Challenge Mat F

Robotics challenge mat for EV3. Used for challenges available on www.zone01.ca. Vinyl.
122 x 244 cm (4' x 8').

164^{95} 2497717

A friendly car robot!

Perfect for beginners, it comes alive with simple drag and drop programming blocks.

(MBlock, MBlockly and Arduino IDE softwares)

Parts can be assembled in a few minutes (no soldering required) and RJ25 ports are colour-labelled for convenient wiring. Sturdy aluminum chassis compatible with Makeblock platform and most Lego® bricks. Electronic parts based on the Arduino open source ecosystem, to ensure infinite extensibility.
Batteries not included.
Age: 8 +

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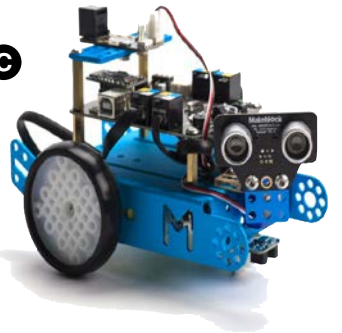

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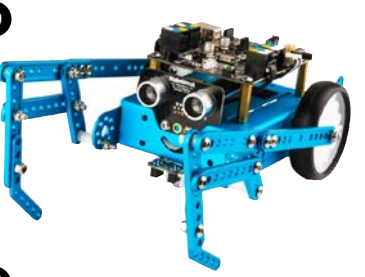

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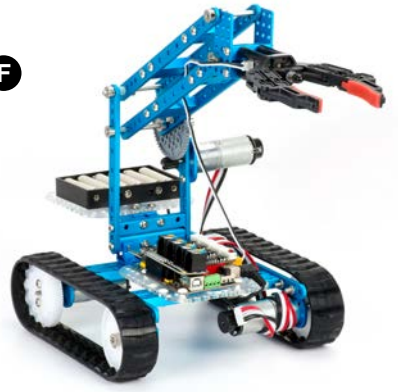


mBot

This friendly entry-level car robot comes alive with simple drag and drop programming blocks (MBlock, MBlockly and Arduino IDE softwares). Parts can be assembled in a few minutes (no soldering required) and RJ25 ports are colour-labelled for convenient wiring. Sturdy aluminum chassis compatible with Makeblock platform and most Lego® bricks. Electronic parts based on the Arduino open source ecosystem, to ensure infinite extensibility. Batteries not included.

A V1 1 – Blue

Includes 38 parts. Comes with 3 basic pre-set modes, including IR control mode, obstacle-avoidance mode and line-following mode. Play games with other mBots using sensors in Scratch. Supports wireless communication via 2 4G wireless serial module. IR controller not included.

13495 2016210

B Add-on Pack – Interactive Light & Sound

3-in-1 pack designed to construct lighting chasing robot, Scorpion robot and Intelligent voice-activated desk light. mBot not included.

3495 2016228

C Add-on Pack – Six-legged Robot

3-in-1 pack designed to construct Beetle, Mantis and Crazy Frog, each with a different way of moving. mBot not included.

3495 2016236

D Add-on Pack – Servo Pack

3-in-1 pack designed to construct Dancing Cat, Head-Shaking Cat and Light-Emitting Cat. mBot not included.

3495 2016244

E mBot Ranger

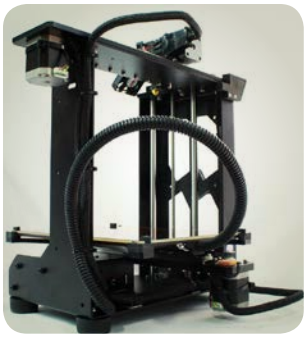
With this 3-in-1 kit, build a Land Raider (tank), designed to handle a variety of terrain, Nervous Bird (self-balance car) and Dashing Raptor (3-wheel car) which runs and spins fast. Mainboard features 5 on-board sensors and 10 extension ports. Fully compatible with MBlock. Ready-to-use projects built-in Makeblock App for immediate fun and play, or build your own. Program and control mBot Ranger via iPad, tablets, or laptop to start your exploration!

26495 2017416

F Ultimate 2,0 10-in-1 Robot Kit

Contains over 160 robotic parts and over 80 electronic components to build 10 pre-configured robots (Robotic Arm Tank, Detecting Robot, Robotic Ant, Self-Balancing Robot, Camera Dolly, Rotating Platform for 3D Capture with your cell phone, and more) or design your own. Use Scratch 2.0, Node JS, Python or Arduino to program the MegaPi control block. With the Bluetooth functionality, you can program and communicate with robots using the MakeBlock HD app. With assembly guides.

48995 2017424



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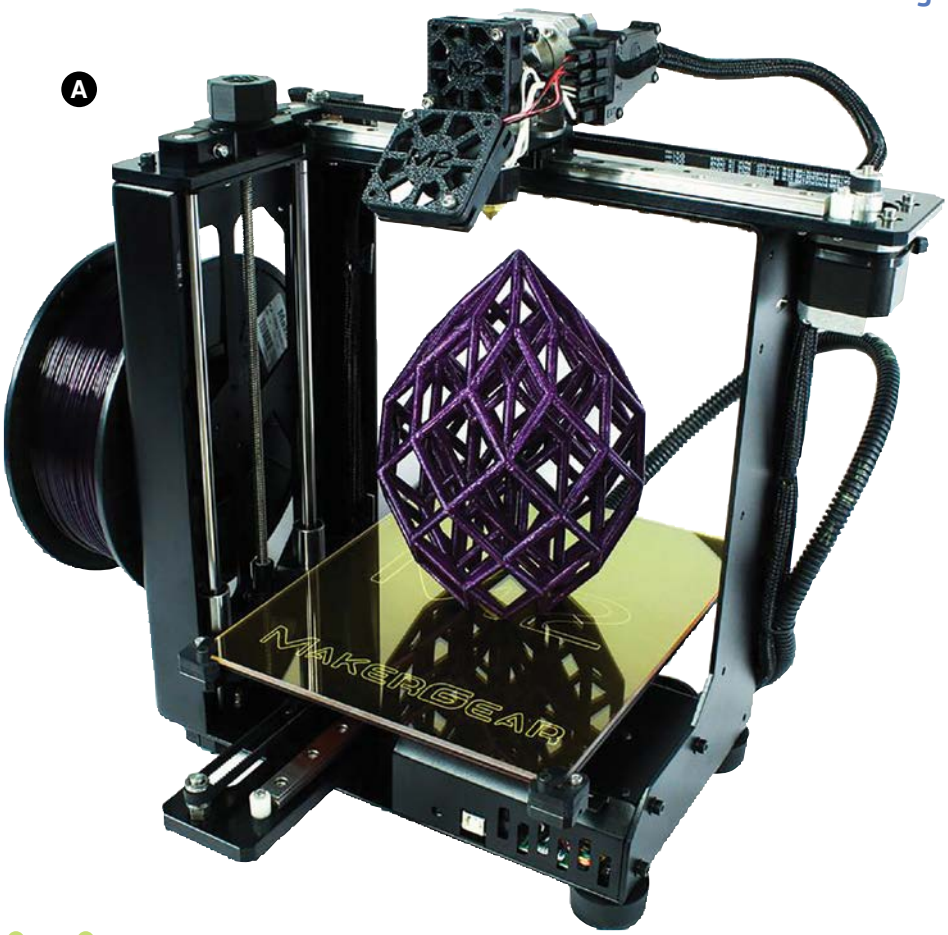


Industrial level precision and easy to use

MakerGear 3D Printers:

- Feature steel frame and CNC machined cast aluminum construction to provide industrial level precision with a small footprint.
- Feature a new four-point print bed which is easy to level, stays level, and removes the need for z-compensation (aka auto-leveling).
- Use the filament of your choice.
- Use software compatible with many open-source and commercially available modelling, slicing, and printer control software available for Windows, Mac, and Linux. Simplify3D software is recommended.
- Are factory tested and ready to use out of the box with the easy-to-use Quick Start software, tutorial video and updated User Guide.

B

A M2 3D Printer

- Dimensions are 20 x 25 x 20 cm.
- Build plate is 110 °C and higher and is made of borosilicate glass print bed with replaceable print surface.
- Filament feed is direct (non-Bowden).
- Includes a 0.35 mm brass nozzle with a temperature of 180 – 300 °C.
- Maximum extruding temperature is 40 W rated at 300 °C.
- Uses FFF (Fused Filament Fabrication) print technology.
- Layer resolution is smaller than 50 microns to 0.25 mm with a 0.35 mm nozzle.
- Print head travels at a speed of 80-200 mm/sec, for best print quality.
- Operating sound is < 65 dBA.
- SD card reader and USB connection to the computer.

Includes MakerGear M2e printer with V4 hot end, power supply with adjustable input voltage (115 V or 230 V), power cord, 1 kg spool of black PLA, 20.3 x 25.4 cm build plate, roll of 5 cm replacement printing film, tool set, sample prints made by your M2, SD card with sample prints, and user guide.

3,342^{95} 2095602

B 3DLAC Aerosol

The original and unique spray adhesive created for 3D printers. Use with PLA, ABS, flexible filaments and many more. Anti warping spray is especially suited for large parts. Easy to use, simply spray the printing base for a much greater adhesion of the first layer, then release the part once cooled, without the use of tools. Soluble and easy to clean with water. Fragrance-free. One 400 ml can offers up to 400 sprays. Requires adult supervision.

11^{95} 2097541

3D ULIO Printer:

an innovative educational project!

Hint from B²

ULIO 3D is a high educational value technological project for which students of all horizons have great interest. By completing ULIO, you design your own 3D printer, which enhances any creative lab. It develops:

- *Knowledge and experimentation of 3D drawing and design*
- *Learning how to print with a 3D printer*
- *Research, development and implementation of creative solutions*
- *Skills in assembling electronic parts and programming*
- *Hands-on learning*

*Visit **www.bb.ca** for the technical specifications.*

A ULIO 3D Printer

ULIO is a printable 3D printer. This user-friendly kit allows access to online videos to learn how to draw, print and assemble ULIO, as well as the ability to download all print files in STL format. Important notes: To print ULIO, you need access to an existing 3D printer that can print an 8 x 8 x 8 inch object (ULIO can be adjusted to 8 x 6.2 x 8 inches). Requires adult help and supervision.

Includes the following hardware:

- Professional-grade microcontroller
- A professional hot nozzle (for filament of 1.75 mm)
- 4 stepper motors (NEMA 17)
- 3 cooling fans
- 3 mechanical limit switches
- A toothed wheel (MK7)
- 1 bowden tube (1.75 mm)
- 1 polycarbonate printing platform with "Buildtak" sheet
- A cULusa-certified "Desktop" power supply
- Hardware and electronic components.

699.95 2089233

3D Drawing and Printing Workshop

Building your own 3D printer is a very motivating project and the Ulio 3D workshop supports you in this innovative educational project. The workshop begins with the basics of 3D printing to learn how to print the parts you will need to build your Ulio 3D before learning 3D drawing. The assembly and use of the printer are also part of the program. Further to this workshop, you will be able to support your students and colleagues in the universe of 3D printing.

749.95 2430338

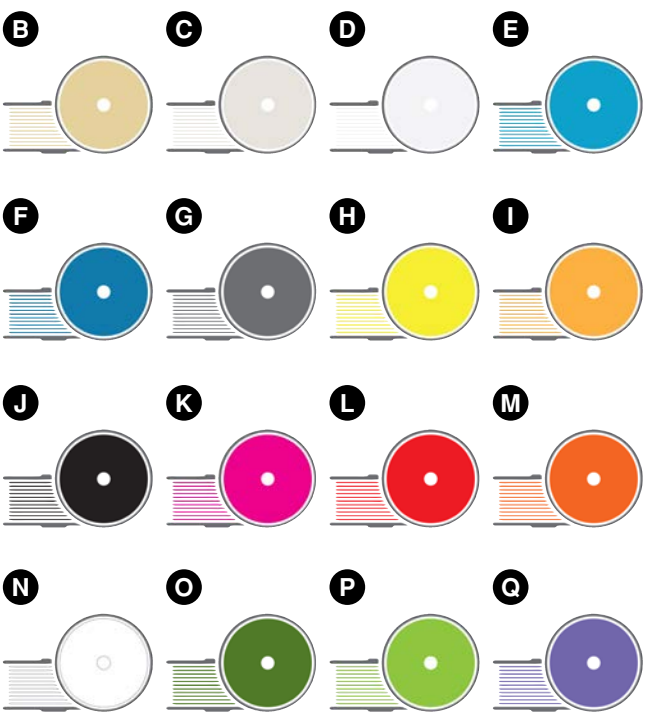
Materio3D

PLA filament (Eco Series) is a plastic of organic origin, specifically created for 3D printing.

Features and specifications:

- Biosourced: made from plant starch
- Versatile: can be used with a variety of 3D printers
- Easy and safe to use
- Does not emit harmful fumes or unpleasant odours during the printing process
- Offers an excellent adhesion
- Is not prone to curl
- Does not require a chamber or heatbed
- Diameter tolerance: 0.03 mm
- On 1 kg spools; spools are transparent, to better assess the remaining quantity of filament
- Vacuum-packed with a desiccant packet, ensuring better conservation

B	**Architectural White**	**41.95**	2090058
C	**Azure Blue**	**41.95**	2090074
D	**Cold White**	**41.95**	2090066
E	**Dragon Red**	**41.95**	2090173
F	**Electronic Blue**	**41.95**	2090082
G	**Fuchsia Pink**	**41.95**	2090140
H	**G.I. Green**	**41.95**	2090132
I	**Ivory Black**	**41.95**	2090033
J	**Lavender Purple**	**41.95**	2090157
K	**Lemon Yellow**	**41.95**	2090090
L	**Lunar Grey**	**41.95**	2090041
M	**Martian Green**	**41.95**	2090124
N	**Sandy Beige**	**41.95**	2090165
O	**Tangerine**	**41.95**	2090116
P	**Translucent**	**41.95**	2090025
Q	**Yellow Orange**	**41.95**	2090108



A DUPLO® – STEAM Park

Discover gears, movement, measurement and problem solving in teams with this park full of mobile rides. Rich content for learning cause and effect relation, observation and descriptions collaboration skills and role play. Offers a special selection of 295 DUPLO® bricks that stimulate creativity, including gears, rails, pulleys, boats and action figures, 8 illustrated construction sheets of 16 progressive models, 5 activity sheets, an online teaching guide with 8 lessons STIAM, and more (in English). This is a great way to enrich your existing DUPLO® packages.

Age: 4 + **194**95 2498079

B Early Simple Machines Set III

With this set, young students build fun and simple models like a seesaw, rolling vehicle, spinning top, raft, and many more. By playing with and manipulating the models, they experience pulleys, levers, gears, and wheels and axles, while exploring energy, buoyancy, and balance. The set is designed for use by teams of two or three children. It includes full-color activity cards with pictorial instructions for eight models; a plastic punch-out sheet with eyes, sails, scales, and wings; and a plastic bin for easy cleanup and storage. 102 Duplo size pieces.

20795 2490084

C DUPLO – Tech Machines

Enhance early engineering skills with lots of versatile elements such as reels, hooks, scoops and cranes, 4 screwdrivers and integrated, clicking screws. Sturdy, 95-piece DUPLO set includes activity starter cards and a teacher's booklet. In a storage bin.

Age: 3 + **244**95 2495505

DUPLO® – Tech Machines Replacement Pack Screwdriver

Replacement screwdriver for your DUPLO® – Tech Machines set (2495505).

Not illustrated. **14**95 2497451

D Brackitz

That innovative construction set consisting of perforated plastic plates and 1, 3 or 4-way connectors. The child slides the plates in the connectors to build a wide range of models from the simplest to the most complex. Allows impressive 3-D structures that defy the laws of gravity. Enhances the development of skills in various fields: creativity, architecture, math, engineering, arts, and science.

Age: 3 +

Education Center
150 planks, 170 connectors and a teacher guide with several activities. In a sturdy plastic storage bin with handles.
24995 2090280

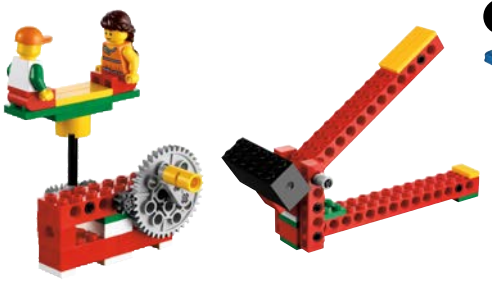
170 Pieces Inventor Kit
80 boards and 90 connectors.
12495 2090298

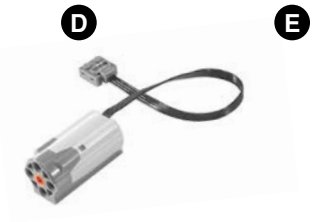
100 pieces Inventor Kit
44 boards and 56 connectors.
7495 2090306

18 Connectors Set **12**95 2090314

Brackitz – Bugz Motorized bug races
This 47-piece set includes planks, connectors, 3 balls with faces, 2 bugs and 1 motor. Batteries included.
Not shown. **37**95 2098481

Physical Science – Force and Motion





A Simple and Motorized Machines Set

Students will build and explore machines and mechanisms, investigate motorized machines, calibrate and capture wind, and study gearing mechanisms with this core brick set. Contains 396 LEGO® Technic elements and full-colour building instruction booklets for 10 principle models and 18 main models. The downloadable teacher guide includes (12) 45-minute lessons, 4 extension activities, worksheets, a glossary, teacher notes, and animations. Also included are 4 lesson plans and 2 additional extension activities. Requires 6 AA batteries. Comes in a sturdy storage bin with sorting tray. For 2 to 4 students. From 3rd grade.

232.95 2491264

B LEGO® Education – Simple Machines Set

This hands-on set is an excellent solution for introducing students to key simple machines and physical concepts such as gears, pulleys, levers, and wheels and axles through observation, reasoning, prediction, and critical thinking required to create simple to more complex models. Includes 204 elements and building instructions with element overview for easier model building and classroom management. From 1st grade. Features a series of 16 principle activities, 4 main activities, and 4 problem-solving hands-on activities. Includes teacher notes, student worksheets, images for classroom use, classroom management tips, and a glossary.

103.95 2493542

C LEGO – Storage bin

Large storage bin made of sturdy plastic, with drainage holes so that LEGO elements can be washed directly in the container. Stackable. Blue, with transparent lid.

42 x 30.5 x 26 cm high. **26.95** 2470540

D M Power Function Motor

Bring your models to life!

9.95 2495067

E LEGO – Grey Base Plate

Grey base plate. 38 x 38 cm.

19.95 2496479

LEGO® Education – IWB Science & Technology Set

This true Science & Technology treasure trove is supported by the cutting-edge IWB technology. Includes: 1 Simple and Motorized Machines Set (2491264), 1 Renewable Energy Add-On Set (2492759) and 1 Pneumatics Add-On Set (2490993). All activity guides can be downloaded for free on https://education.lego.com. Grades 1 and up.

Not shown. **455.95** 2497998

LEGO education

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A Renewable Energy Add-On Set

With this add-on set for the Simple and Motorized Mechanisms Set (see 2491264), students explore renewable energy sources; investigate energy supply, transfer, accumulation, conversion, and consumption; and use measurements and data analysis to describe and explain outcomes through hands-on activities and exciting, real-life models. The set can also be combined with the LEGO® MINDSTORMS® Education EV3 to experiment using the three main energy sources – solar, wind, and water – to generate, store, and use power. 12 pieces, including a solar panel, a generator and an energy meter. The downloadable Energy Activity Pack includes (6) 45-minute lessons and 4 problem-solving activities that enable students to explore renewable energy sources; investigate energy supply, transfer, accumulation, conversion, and consumption; and use measurements and data analysis to describe and explain outcomes. Also includes a wide range of real-life images, teacher's notes, student worksheets, and a glossary. Grades 3 and up.

15295 2492759

B Pneumatics Add-On Set

The mechanisms Pneumatics Add-On Set is part of a complete package. Combining the set with the Motorized Mechanisms Set and Mechanisms Activity Pack enables you to carry out engaging cross-curricular activities. Your students will explore power systems and components, sequence and control, pressure, prototyping, kinetic and potential energy, and much more. The set and corresponding Mechanisms Pneumatics Activity Pack feature 14 principal model activities that introduce students to the basics of pneumatics. In addition, four main models and activities and two additional open-ended problem-solving activities thoroughly educate students about pneumatics. The set features 32 specialty elements, including pumps, cylinders, valves, an air tank, tubes, and a manometer. The activitiy pack includes video clips of real-life machines, printable worksheets and teacher materials.

9795 2490993

C Energy Display

This element displays energy storage level in joules and input and output in volts, watts, and amps. Combine with the LEGO® Energy storage (see 2493146) to form the LEGO® Energy Meter. Can also be used as a sensor with the EV3 Programmable bricks.

8195 2493138

D Solar Panel

The LEGO® Solar Panel provides sufficient power to operate the LEGO Energy Meter and motors. It delivers 5V, 4mA in direct light from a 60W incandescent bulb positioned 25 cm from the solar panel (2000 lux).

6795 2493120

E Energy Storage

This NiMH battery with connector is designed to be combined with the Energy display (see 2493138) to form the LEGO® Energy meter. Storage capacity: 150 mAh.

4195 2493146

F LEGO® Power Functions – Battery Box

Increase the power and movement of your LEGO creations. This battery box lets you connect several LEGO Power Functions engines (2495067); change the direction of the engine's rotation with the switch. 6 AA batteries (1.5 V) required (not included).

895 2339331

G Power Functions Rechargeable Battery Box

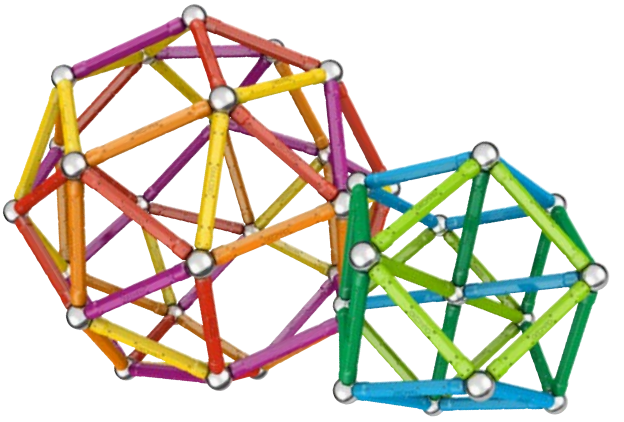
No batteries required! This rechargeable battery box contains a lithium battery for maximum power. The direction of rotation and the power of "Power Functions" engines can be controlled directly from the rechargeable battery box using a control knob. DC LEGO charger (2496438) required (not included).

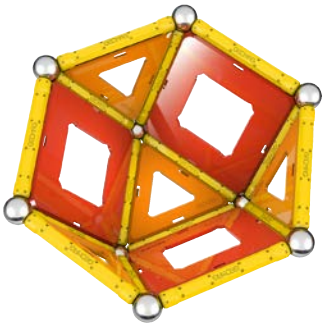
6495 2338705

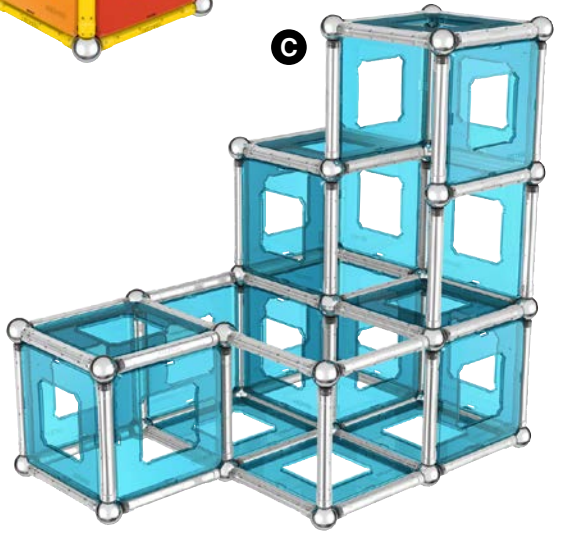
H LEGO – AC Adapter – Charger for Rechargeable Battery

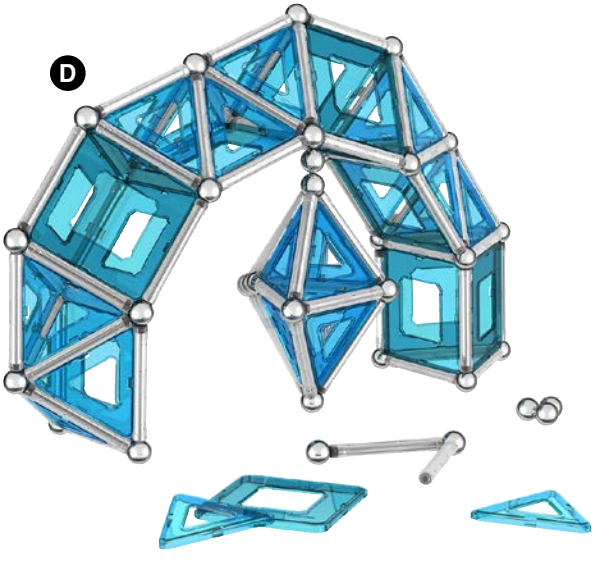
For use with the LEGO Intelligent Brick EV3 and WeDo 2.0.

4195 2496438









Geomag

Innovative building set using magnetic rods, non-magnetic steel balls, plastic panels and platforms that can be combined to create an unlimited number of structures, from simple to complex. The rods and panels are made of smooth, rigid plastic, and the powerful magnets hold constructions solidly in place. Suitable for a range of skill levels.

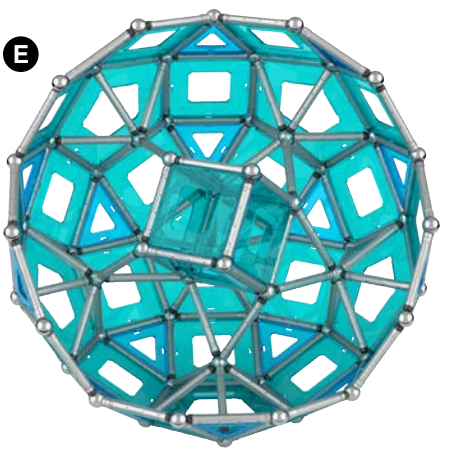
A 127 Pieces Set
Pink, yellow, orange and red: 60 rods, 61 balls and 6 base plates. **119.95** 2089753

B 192 Pieces Set
Green and blue: 65 rods, 50 balls, 3 base plates and 74 panels. **149.95** 2089761

PRO-L

The power of this special magnet allows you to build even more architecturally sound structures like bridges. The polarity indicator, featured on the magnetic bars, helps builders understand the full potential of magnetism. Sets also feature non-magnetic steel balls and blue transparent plastic panels in 3 shapes (triangle, square, pentagon) which add strength to structures, while giving them a beautiful, futuristic look.

C 110 pcs **109.95** 2017325
D 174 pcs **149.95** 2017333
E 396 pcs **279.95** 2017374



Hint from B²

Gravity

The "gravity engine" of this new line is able to exploit the weight of the Geomag spheres to trigger the mechanism of the Mechanics constructions, without resorting to electric or battery-operated motors. The exploitation of physic principles such as magnetism and gravity of these STEM products is ideal to stimulate all levels of scientific insights.

A Gravity Magnetic Track – 115 pcs

An innovative magnetic cannon pushes the steel spheres to test your ability and speed. Keep loading your cannon, until your sphere gets caught by a magnetic trap.
Set of 115 pieces.

49[95] 2017283

B Gravity Motor – 169 pcs

See how the invisible forces of attraction and repulsion activate the models through magnetic forces. A gravity motor and a magnetic transmission push the spheres through the spiral of the engine. Set of 169 pieces.

74[95] 2017291

C Gravity Jump Run – 243 pcs

The motion of the models wins out over gravity thanks to the magnetic engine which pushes the spheres upwards and channels them through a circuit of incredible magnetic obstacles. Set of 243 pieces.

119[95] 2017309

D Gravity Up & Down Circuit – 330 pcs

The powerful gravity engine harnesses the movement of the spheres as they fall through a system of magnetic gears, activating a parallel elevator system which then carries up the spheres. Their journey continues in a circuit full of amazing magnetic tricks.
Set of 330 pieces.

149[95] 2017317

E Mechanics – 146 pcs

Build 3 different moving models, one at a time. Set of 146 pieces.

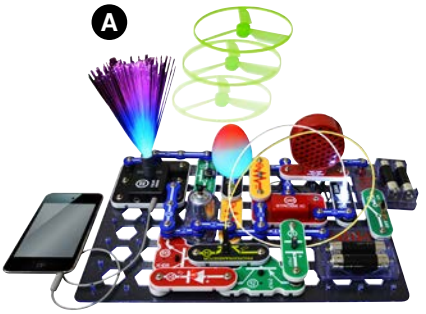
99[95] 2017341

F Mechanics – Education Pack

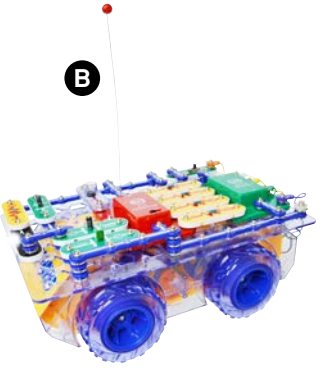
Innovative STEM set introduces pupils to the basic concept of magnetic polarities to create controlled magnetic reactions and drive motion. Explore the effect of triangulation on structures and the use of spheres in low frictional rotational movement, build a homopolar magnetic motor, and much more. Includes easy to comprehend pupil worksheets and a teachers' guide (downloadable after purchase). Set of 260 pieces in a sturdy carry case.

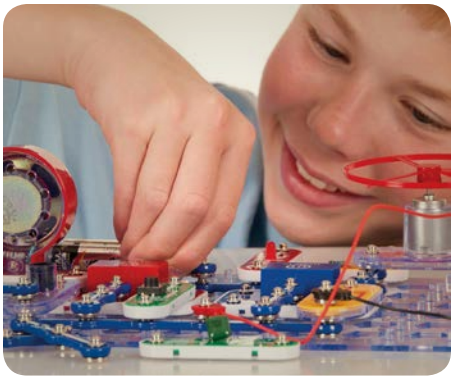
259[95] 2017275

A



B





C

D

E

F

G

Hint from B²

Snap Circuits®

Snap Circuits® offer a great, hands-on introduction to electricity with coloured, numbered snap-together electronic blocks that connect without wires or soldering on a simple plastic base grid. Follow the bilingual manual's step-by-step, colour-coded pictorial instructions or create your own amazing electronic devices.

A Light

Connect your iPod® or any MP3 player, and enjoy your music as the lights change to the beat. Contains over 55 parts to build more than 175 projects.
Requires 4 AA batteries (not included).

99.95 2076479

B Rover

Build and guide your Snap Rover® with the easy-to-use remote control. You can even operate it in the dark! Discover over 20 projects, including a lighthouse and a generator, or send secret messages using Morse code.
Requires one (1) 9V and six (6) AA batteries (not included).

124.95 2076495

C 300-in-1

Build over 300 exciting projects, including AM radios, burglar alarms, doorbells and much more! You can even play electronic games with friends. Requires 4 AA batteries (not included).

88.95 2078525

D Arcade

Enjoy completing projects using a programmable fan, dual LED display and pre-programmed micro-controller. Contains over 35 parts to build more than 200 projects, including more than 20 build-and-play games (baseball, progressive memory game, etc.). Requires 3 AA batteries (not included).

79.95 2076487

E Snapino

69.95 2096675

F Snap Circuits® – 3D Illumination

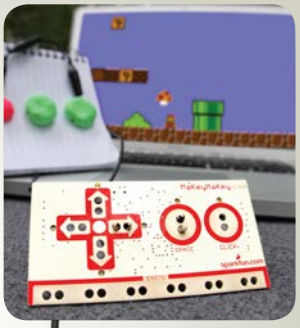
Build over 150 awesome projects, including « Break the Beam », a tricolour light tunnel and a two-mirror circuit. Contains over 50 parts. Requires 3 AA batteries (not included).

89.95 2096683

G Flying Saucer Plus

Snap Circuits® offer a great, hands-on introduction to electricity with coloured, numbered snap-together electronic blocks that connect without wires or soldering on a simple plastic base grid. Follow the bilingual manual's step-by-step, colour-coded pictorial instructions or create your own amazing electronic devices. Press and release the switch and watch the flying saucer rise into the air! Build 13 other projects, including a two-speed fan, a horn and a light dimmer. Requires 3 AA batteries (not included).

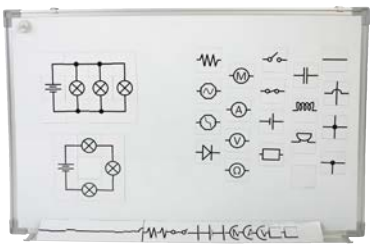
24.95 2076453



Hint from B²

Art meets Science!

Brass fasteners connected to Makey Makey are integrated in this picture. Sounds can be programmed with Scratch to play when one of the fasteners is touched.



A Makey Makey

Simple and absolutely awesome! Load up a computer program or any webpage, for example a piano. Then, instead of using the computer keyboard keys to play the piano, you can hook up the Makey Makey to something fun, like bananas, and the bananas become your piano keys! Or load up a game, draw a joy stick, connect your Makey Makey to the drawing using modeling dough (not included), and play! Set includes 1 Makey Makey, (1) 1.5 m USB cable, 7 alligator clips, 6 connector wires, the instructions and more. Works right out of the box with Mac, Windows and Linux.

69.95 2338622

B Neuron Inventor Kit

Simply connect electronic building blocks featuring different functions (motor, sound, light, and sensor) with magnetic Pogo Pins to design creative working gadgets without needing to write any code. The graphical programming interface in the Neuron app enables beginners to easily create Neuron applications and add basic or advanced functionality (e.g. IoT) into their inventions. Neuron gadgets can be controlled and programmed using mBlock on desktop and the Neuron app on mobile devices. The app comes with invention guides and video tutorials to get started. With a USB cable, Neuron board and paper matrix. Compatible with the Makeblock platform and LEGO® bricks.

164.95 2016202

C Scratch Controller Input Device

Specially designed for use with the popular Scratch programming language. Children can design and create fun and challenging activities whilst developing their programming and debugging skills. The sleek yet robust design means it is the perfect alternative to using a keyboard or mouse in Scratch. Features four direction buttons and go button, twist control, four-way tilt sensor, USB lead and cable tidy, and additional blocks.

46.95 2088086

D Scratch LED Rainbow Matrix

Easy-to-use Matrix provides a different way of controlling an output using Scratch. The Matrix has 64 individual RGBs which can all be turned on to display any colour and at any brightness. Simply plug in the unit, download our helpful software and get programming! Can work hand in hand with the Scratch Controller (see 2088086), to enhance children's programming skills. For example, children can design a Snake game which is controlled with the Scratch Controller and played on the Scratch Rainbow Matrix.

152.95 2088094

E Electrokit 198

No tools or small parts! Alone or in a small group, students easily and safely snap together sturdy, colourful parts with pre-installed mechanisms, to build battery-operated engines, loudspeakers, switches, lightbulb holders, and more. Electronic set includes a fun and detailed assembly guide featuring more than 80 experiments. Batteries not-included.

64.95 2331999

F Stick to Science Circuits

These 78 dry-erase magnetic tiles have everything you need to teach common electrical circuit symbols, sort the components of a circuit, and construct full circuit diagrams (series and parallel). Set includes a teacher's guide with activities.

24.95 2016186

Bring your creativity to life!

Just add craft supplies, household items, other toys or building sets.

Build Code Run

No prior electronics experience necessary!
No soldering, wiring or programming required!
Learn the basics of electronics, explore STEM/STEAM principles, build the foundations of critical thinking, or just have fun with blinking, buzzing creations. Colour-coded bits such as a power source with battery and cable, bright LED, dimmer, microphone or fan snap together with magnets, so it's impossible to make a mistake. Each kit comes with Bit modules (all kits and modules are compatible) offering thousands of circuit combinations, a step-by-step guidebook to get you started, and easy-to-make inventions (with time and difficulty rating), with hundreds more possibilities online.

A LittleBits – Code Kit

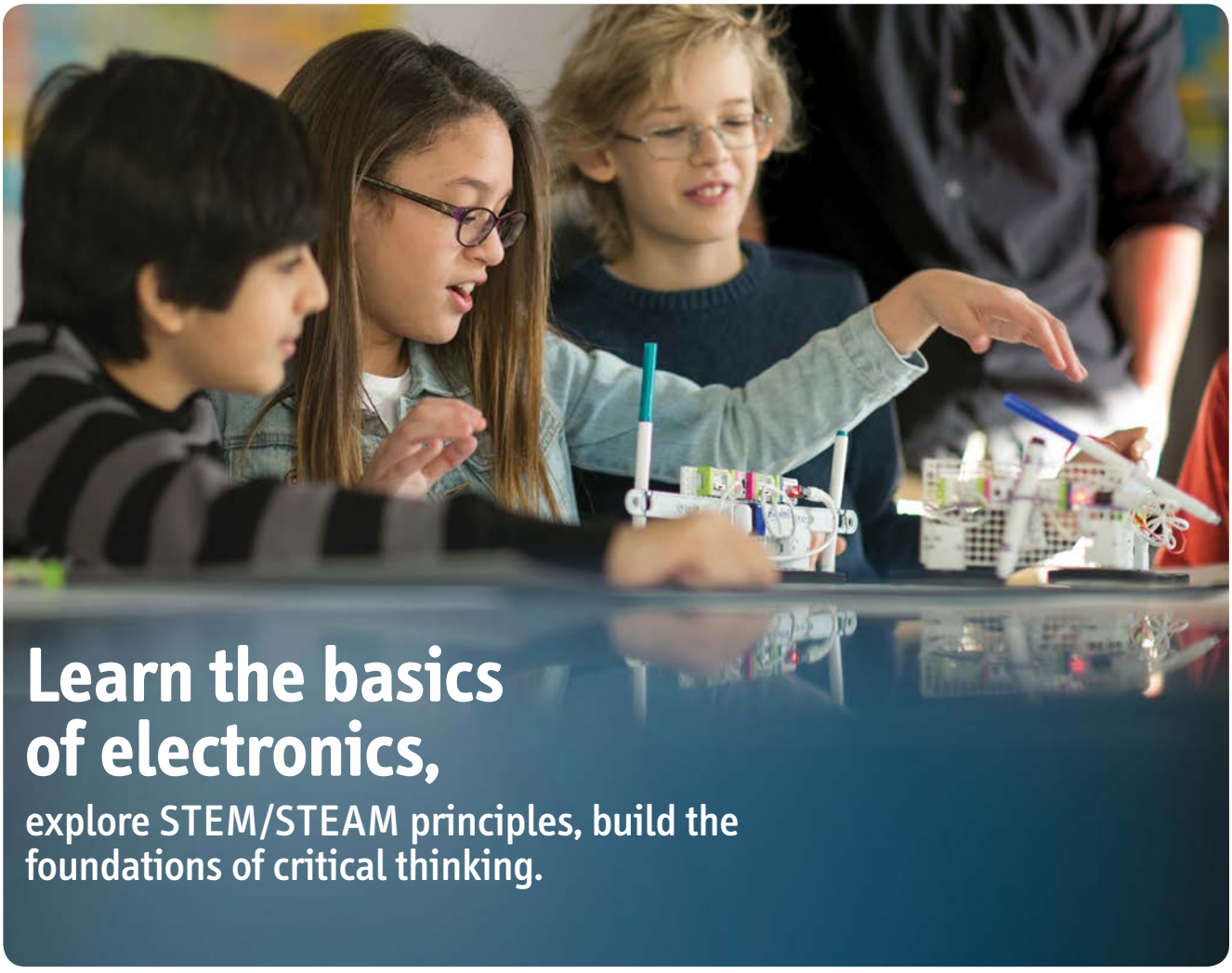
Learn to code and build 4 games (Ultimate Shootout, Hot Potato of Doom, Rockstar Guitar and Tug of War) with 16 bits and 30 accessories such as a USB power adaptor and cable, slide dimmer, pressure sensor, sound trigger, LED matrix, speaker, rechargeable battery and more. Plus, find 12 code tutorials, lessons and inventions available on the free computer app. More than 100 activities. Grades 3 to 8. 1 to 3 children.
Age: 8 + **399.95** 2341204

Code Kit Class Packs for 18 students
Includes 6 Code Kits (for a total of 96 bits and 180 accessories) and 2 free LittleBits tackle boxes for easy storage. **2,399.95** 2341212

Code Kit Class Packs for 24 students
Includes 8 Code Kits (for a total of 128 bits and 240 accessories) and 3 free LittleBits tackle boxes for easy storage. **3,199.95** 2341220

B LittleBits – Gizmos & Gadgets Kit (2nd Edition)

Build the included 16 inventions such as a remote control race car, wireless doorbell and automatic bubble blowing device, with 13 electronic building blocks, a detailed instruction handbook and 56 accessories and tools, including a DC motor, servo, wheels, lights, switches, and a buzzer. Plus, use the free app to find thousands more inventions online.
Age: 8 + **269.95** 2341238



Learn the basics of electronics,

explore STEM/STEAM principles, build the foundations of critical thinking.

A LittleBits – STEAM Student Set

Design a minimum of 8 fun challenges (such as an art machine, a self-driving vehicle, throwing arm, security device, chain reaction contraption) with 19 bits and 45 accessories such as a DC motor, servo, fan, inverter, light sensor, number display, slide dimmer, and temperature sensor. Also includes a 72-page student invention guidebook and 6 step by step resources (124-page online teacher's guide, invention log, and more).
Grades 3 to 8. 1 to 3 students.

399.95 2341162

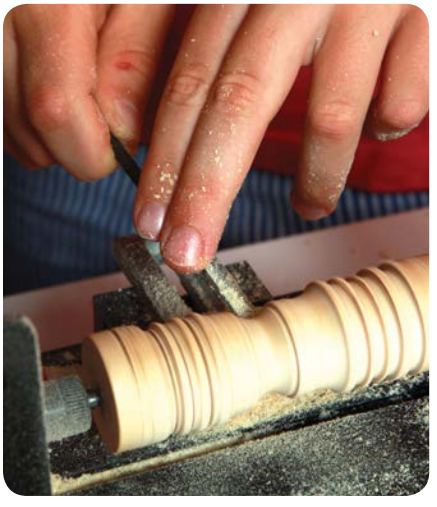
B LittleBits – STEAM Education Class Packs for 18 or 24 Students

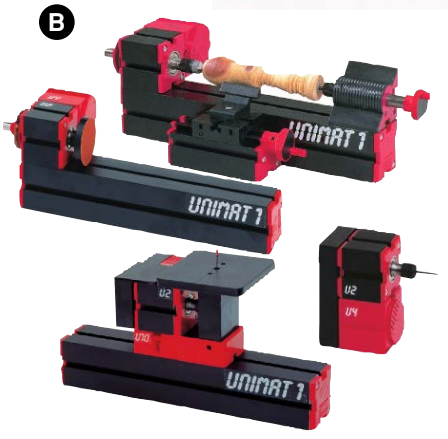
With each STEAM Student set, design a minimum of 8 fun challenges (such as an art machine, a self-driving vehicle, throwing arm, security device, chain reaction contraption) with 19 bits and 45 accessories such as a DC motor, fan, inverter, light sensor, number display, servo, slide dimmer, and temperature sensor. Also includes a 72-page student invention guidebook and 6 step by step resources (124-page online teacher's guide and more). Grades 3 to 8.

Pack for 18 students
Includes 6 STEAM Student Sets (for a total of 114 bits and 270 accessories) and 2 LittleBits tackle boxes for easy storage. **2,399.95** 2341170

Pack for 24 students
Includes 8 STEAM Student Sets (for a total of 152 bits and 360 accessories) and 3 LittleBits tackle boxes for easy storage. **3,199.95** 2341188

Perfect for Makerspaces!





A Playmat – 4-in-1 Workshop

This safe and inspiring wood-crafting workshop was developed for the young Do-It-Yourselfers. The kit includes all the necessary parts for building up to 4 different, real-working machines made of easy-to-assemble, well-designed component pieces: a drill press, wood lathe (for softwood up to ø 30 mm), jigsaw (the world's only child-friendly jigsaw, for plywood up to 6 mm thick) and sander (can also sharpen tools). Includes a 12V safety adaptor, detailed instructions, plans and suggestions, and wood for turning and sawing, to start right away.
Visit http://www.thecooltool.com/ for a video tutorial on how to assemble your workshop.

146^{95} 2099380

B Unimat 1 – Elementary Kit

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.

546^{95} 2099398

C Unimat Metal Line – Design and Technology Kit

This safe and inspiring set contains all the parts, in full-metal construction, to build one out of these machines, suitable for intensive use: 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. Includes a safety adaptor 12V/100-240V, 3-jaw chuck, steel face plate with sanding disc, prof. safety glasses, 10 saw blades, lesson plans, documented projects, and more. In a storage box.

915^{95} 2099414

Interlocking Tilt Modular Bin Unit

Modular unit features a unique interlocking design allowing you to mix and match sizes. Clear, removable bins keep supplies visible and tilt out effortlessly. Mounting hardware and labels included.

A 3 bins – 59 x 24 x 19.5 cm
Bins size: 18.5 x 22 x 15 cm **99**^{95} 1121623

B 4 bins – 59 x 21.5 x 12.5 cm
Bins size: 14.5 x 19 x 13 cm **89**^{95} 1121631

C 5 bins – 59 x 16.5 x 13.5 cm
Bins size: 10.5 x 14.5 x 14.5 cm **54**^{95} 1121649

D 6 bins – 59 x 11.5 x 9 cm
Bins size: 9 x 9.5 x 6.5 cm **29**^{95} 1121656

E 9 bins – 59 x 8.5 x 6.5 cm
Bins size: 6 x 6.5 x 4.5 cm **23**^{95} 1121664

F Multi-Purpose Cart with 9 Tubs

Open cart is ideal for most classroom, library and day care materials: books, building blocks, small math and science manipulatives, etc. Sturdy metal frame on 4 locking casters. 104 x 91.4 x 43 cm deep. 9 easy-access plastic tubs are 38 x 30.4 x 15.2 cm.

249^{95} 2078426

G Premium STEAM Maker Station

Store all of your STEAM maker materials in one secure place and share a unit between classrooms. Also ideal for libraries where space is limited. Features: (1) 131 x 66 x 167 cm high frame, (1) 41 x 30 x 36 cm Tech Tub® for locking up specialized equipment and tools (padlock not included), cardboard or material storage rack, tape/ribbon/string dispenser rack, Coroplast® overhead sign and display to personalize your station (letters not included), hooks for hanging accessories/tools, (1) 99 x 36 cm large bottom shelf, 1 whiteboard, 1 pegboard for tool storage, (4) 41 x 15 x 15 cm Small Tubs, (3) 38 x 30 x 15 cm Open Tubs, and (4) 10 x 8 x 13 cm Tiny Tubs. On 10 cm casters, 2 with brakes and pinch point covers. Lifetime Tech Tub® and lid warranty. 10 year frame warranty. Lifetime tub warranty.

699^{95} 2077402

Mobile Storage Carts

Space-saving carts are ideal to store manipulatives, arts & craft supplies, bricks and blocks. Sturdy metal frame with laminate top, on 4 wheels (2 with brakes) for convenient mobility. Bins safely rest on easy glide runners with stoppers, to prevent bins from falling out. Bins not included (see 2017176 & 2017184). Compatible with Lego robotic bins.

H Single
43.5 x 50 x 95 cm high. Designed for 4 large bins 42.5 x 31 x 15 cm high, not included. **106**^{95} 2017143

I Double
78 x 50 x 95 cm high. Designed for 4 large bins 42.5 x 31 x 15 cm high and 8 small bins 42.5 x 31 x 7. 5 cm high, for a total of 12 bins, not included. **174**^{95} 2017135

Bins
Sturdy plastic bins with convenient front finger hold,. Store in our Mobile Storage Carts (see 2017143 & 2017135). Grey.

Small
42.5 x 31 x 7.5 cm high **7**^{60} 2017176

Large
42.5 x 31 x 15 cm high **9**^{50} 2017184

Together to learn, create and play!

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