

# SmartLab Customer Catalog

Update your SmartLab with new resources!

Updated April 2024

**Learning' is different here...**





GOING... GET THEM BEFORE THEY'RE GONE!  
GOING...

*cls* CREATIVE  
LEARNING  
SYSTEMS

Limited  
Quantities

SALE

Attention: Prices have been slashed  
by as much as 15%!

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PocketLab, Weather

#A000228 \$95.93

Vernier Light Sensor *Only a few left!*

#A730052 \$84.39

LER Primary Science Viewscope

#A000808 \$18.69

SNAP Circuits SC-300 *HURRY - Only 4 left!*

#A008308 \$75.00

SNAP Circuits Snapino Kit

#A055188 \$50.00



**THINKFUN, Code: Robot Repair**

**#A008944 \$14.20**

**SNAP Circuits Pro 500 Experiments SC500**

**#A008367 \$100.33**

**Vernier Stainless Steel Temp Sensor**

***Stock is getting VERY low!***

**#A730051 \$47.97**

***Catalog Credits can be used towards the  
Limited Quantity Sale Items***



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Please note:  
Effective January 1, 2012, if you purchase an item that is not in our catalog, it may be subject to up to a 30% handling fee.

### Order Information

**Ordering:** An order from an organization must be signed by an authorized purchasing agent. Whenever possible, use an official order form. Please include a telephone number and e-mail address to help us contact you if we have a question about your order.

**Shipping and Handling Charges:** Minimum shipping and handling charge is \$15.00 for orders less than \$150.00. For orders to be shipped inside the continental U.S., add 10% if it is \$150.01 to \$999.99; add another 5% between \$1,000 and \$1,499; add another 3% over \$1,500.00. For shipments to Alaska, Hawaii, or Canada, please call for pricing. For RUSH shipments, phone (1-800-458-2880) for available options and their related charges.

**Payment by Educational Institutions:** We accept purchase orders. Terms are Net 30 Days. We also accept Visa and MasterCard. Credit card orders over \$5,000 are subject to a 4% credit card processing fee. Credit card orders and balances are billed at time of shipment and payable through a secured site listed on your emailed invoice.

**Payment by Individuals (must be current lab customers):** Payment must accompany all personal orders. We accept checks, Visa and MasterCard. Credit card orders over \$5,000 are subject to a 4% credit card processing fee. Credit card orders are billed at time of shipment and payable through a secured site listed on your emailed invoice. Orders paid via check are not shipped until the check is received and cleared by accounting.

**Prices:** We are experiencing price volatility due to tariff increases. Prices are subject to change without notice. We will contact you and let you know of price changes if we receive a purchase order with outdated pricing.

**Returns:** Items may be returned at the purchaser's expense within 30 days of invoice date for credit, refund, or exchange. All returns will be charged a 25% restocking fee. Returned items must be in original packaging and in usable condition. You may call us at 800-458-2880 or send a fax to 303-772-6422. You will be given a Return Merchandise Authorization number (RMA#) to put on the outside of the package, so that you will receive the proper credit. Please pack item tightly and ship via UPS.

**Special Orders:** No returns or refunds on special order items or download only software.

**Foreign Orders:** Payments in U.S. funds only.

**Warranty.** Items are covered by original manufacturer's warranty. CLS will provide purchase information to buyer for their use in contacting manufacturer for warranty assistance.

# Curriculum

## Activity Cards

AC

Activity Cards engage Kindergarten through 2nd grade students in whole-class, student led activities in the SmartLab while providing age-appropriate guidance for these young learners. Activity Cards provide a **challenge, background information, directions to “Do it,” and an opportunity to reflect on or extend their learning.** Each Activity Card comes with a Facilitator’s Guide with background information and facilitator tips to support Kindergarten -2 learners in the SmartLab.

### SMARTLAB LAUNCHPAD



ACTIVITY CARDS



EXPRESS CHALLENGES



LIFTOFF CHALLENGES



ORIENTATION



CIRCUITRY



COMPUTER GRAPHICS



DIGITAL COMMUNICATIONS



MECHANICS AND STRUCTURES



ROBOTICS AND CONTROL



SCIENTIFIC DATA AND ANALYSIS



SOFTWARE ENGINEERING



SUSTAINABILITY



VIDEO PRODUCTION



INNOVATION ACADEMY

## Liftoff Challenges

LOC

Liftoff Challenges engage 3rd through 5th grade students and are project-based activities that typically take 3-5 class periods to complete. Liftoff challenges are designed to help students successfully transition to Learning Launchers provided at the middle and high school level. Each element in a Liftoff Challenge is designed to make learners more independent—to teach them how to plan and carry out projects of their own design, conduct their own research, develop their own ideas, defend their reasoning, and collaborate with others in high-performance teams.

LL

## Learning Launchers

Learning Launchers support middle and high school students and utilize applied technology to guide learning and reinforce academic subjects while helping students develop social and life skills for future success. Learning Launchers provide scaffolded learning that take students from foundational knowledge to more advanced, self directed learning. Many Learning Launchers include video tutorials, additional resource links, and advanced challenges to extend student learning.

## 3DUX DESIGN GOBOX CLASSROOM KIT



3DUX Design allows children to use their Imagination while thinking through solutions to real world problems by building structures and environments with 3DUX Designs award winning architectural modeling system. With a huge assortment of geometric forms and connectors engineered to fit most cardboard, creative minds never run out of raw material to work with, learn and repurpose as they build.

#A000121 \$231.95

Includes: 400 Connectors, 500 cardboard shapes and downloadable lessons for a class of 25-30 Ages 4+

Cardboard refills for the class!  
White on one side, these paintable shapes make learning geometry and 3D spatial concepts fun.

#A000122 \$85.99



## LASER ENGRAVER

Laser Engraver  
 #A000230-A-01 \$7,052.71  
 Fume Extractor  
 #A000230-B-01 \$1,149.50  
 \*\*\*\*Must purchase together\*\*\*\*

Working area (engraving area)  
 20"x12"x 2.5" height  
 Machine Dimensions  
 Width 32.3"x  
 Depth 20.3"x  
 Height 8.5"  
 Weight 54 lbs.



### ***NEW ITEM***

40W CO<sub>2</sub> Muse Laser Tube (Replacement)  
 #A000230-TUBE \$312.00

### ***IMPORTANT INFORMATION REGARDING LASER ENGRAVER SPECIALTY CONSUMABLE ITEMS***

The CO<sub>2</sub> laser tube for the Muse Laser Engraver is considered a consumable by the manufacturer and will need to be replaced every 3000-6000 hours of operation. Certain laser operations (including very high-resolution raster engraving) will reduce the expected life of the laser tube. To prolong the life of your laser tube, we strongly recommend that you use vector engraving and cutting operations rather than raster engraving.

The filters in the Fume Extractor are also consumable items and will need to be cleaned or replaced when they cease to filter the exhaust effectively.

With regular cleaning, the lenses, mirrors, and other optics in the laser engraver should last many years. However, they can be damaged if not properly cared for and are considered consumable items by the manufacturer.

# LASER ENGRAVER



**CART SYSTEM 48"x24"x40"**

Cart #A000231-A	\$253.94
Handle #A000231-B	\$27.00
Shelf Liner (need two) #A000231- C	\$38.67 x2 \$77.34
Basket #A000231-D	\$37.00
Power Strip #A009718	\$58.05
<b>Total</b>	<b>\$449.89</b>

Recommended for engraver and accessories

**MATERIALS FOR THE ENGRAVER**



**MDF (1/8", 12x20)**  
 #A000233-MDF  
 \$4.18 per sheet

**OPAQUE ACRYLICS \$62.85 PER BUNDLE OF 5 (1/8", 12x20)**

- #A000234-BLK ACRYLIC
- #A000234-WHT ACRYLIC
- #A000234-BLU ACRYLIC
- #A000234-GRN ACRYLIC
- #A000234-ORG ACRYLIC
- #A000234-PINK ACRYLIC
- #A000234-PUR ACRYLIC
- #A000234-YEL ACRYLIC



**BALTIC BIRCH PLYWOOD (1/8", 12X20)**  
 #A000232-01  
 \$5.37 per sheet

#A000234-CLR ACRYLIC CLEAR  
**(1/8", 12x20)**  
**\$57.40 PER BUNDLE OF 5**





### GOPRO CAMERA

- Photos or Videos
- 5.3K Video
- HyperSmooth video 6.0 stabilization
- GP2 Processor
- 24.69MP Photos
- Hero 12 is cloud connected | Wi-Fi + Bluetooth
- Waterproof 33 feet

**GOPRO, HERO12 BLACK**  
#A000241-03 \$574.75



**GoPro Jaws Flex Clamp**  
\$52.25 #A000243

Use your GoPro Camera on the go with the Flex Clamp.

- Can clamp to objects ranging in size from .25 to 2.0 inches.
- Removable neck allows for wide range of camera angles
- Camera can be mounted directly to clamp



**DJI POCKET 2 CAMERA KIT**  
#A055019-01 \$470.25

3 Axis Stabilized Handheld camera  
Built –in touchscreen and buttons to provide a single handed user experience  
140 minute battery life  
4k60fps Video at 100 Mbps  
**1/2.3" sensor for photos providing stunning detail**

**IK UNO DRUM**

#A000180 \$265.43

- Analog/PCM drum machine
- Fully programmable, Ultra-portable
- Easy to program and perform
- 12 total sounding drum elements
- Including Kick, snares, claps and hi-hats

**ROBOMASTER S1**

#A007135 \$679.25

Intelligent Educational Robot that lets students dive into robotics and programming. Equipped with various sensors, detecting clap, gesture, hits and more. Total of 46 programmable components. Includes attachable camera for video or still shots from the ground.

**Did you see our Limited Quantities Sale items? The list is located at the beginning of the catalog. Stock up while you can!**





LUX STEAM ACCELERATOR SMALL GROUP SET (up to 12 learners)  
\$292.00 #A055171-20

Includes 400 Lux squares in 4 different **bright** colors

Also:

- 200 Lux Trigons
- 20 Large Lux multi-wheels
- 20 Small Lux multi-wheels
- 20 Large Lux Axels
- 20 Medium Lux Axels
- 20 Small Lux Axels
- 20 Giant 7" Rubber Bands



Have you switched over to **LearningHub** yet? **NO?**  
Now is the time!  
Contact your Customer Success Manager for more info!

**Kathy Oyer** [kathy.oyer@creativelearningsystems.com](mailto:kathy.oyer@creativelearningsystems.com)

**Tim Hamlin** [tim.hamlin@creativelearningsystems.com](mailto:tim.hamlin@creativelearningsystems.com)

You can also learn more at:

<https://www.smarttablearning.com/learning-programs/learning-hub/>



**Circuits 101 5pk w/teacher kit.**  
\$679.25 #A000190-01

**A complete classroom solution to teaching electronics.**  
Each student box comes with electronic parts and supplies.  
(recommended no more than 3 students per box)

Each Set includes :

- A teacher box with additional supplies,
- Curriculum , lesson plans, videos and diagrams
- Maker Tape brand conductive tape
- Batteries
- **Over 27 parts including LED's, light sensors, buttons, switches and much more**
- Classroom ready packaging in heavy duty containers
- Informational cards with part explanations and example circuits

LL



**Circuits Conductive Thread**  
\$3.00 #A000192

**Circuits Nylon Conductive tape**  
\$6.00 #A000191



LL

### Programming 101

\$1,275.00 #A000193-01

The lessons focus on teaching the basics of programming while also having them modify more complicated code in order to learn HOW different parts interact.

In addition to the electronic parts Programming 101 comes with :

- Free software
- Squishy Circuits Dough
- Bare Conductive Paint
- Distance sensors
- Light sensors
- Humidity sensors





**AUDIO ENGINEERING COLLECTION**

#A055546-01      \$407.55

Includes:

- 2 pairs of headphones
- iRig Keys I/O 25
- Mic Studio XLR
- Splitter iLine headphone splitter



**AUDIO ENGINEERING IPAD, 10th Gen 10.9"**

#A055545-04      \$1,175.00

Configured iPad with all the apps for all audio engineering equipment.

Includes:

- 2 years of Apple care
- Edge folio iPad case



**ILOUD MICRO MONITORS**

#A000183      \$345.00

Extremely portable, high performance bi-amped speakers

**IRIG KEYS I/O 25 STUDIO SUITE**

#A000182-01      \$365.75

25 Full size keys for iOS,Mac/PC



**IRIG Mic HD 2**

#A000181      \$145.00

For iPhone, iPad and Mac/PC



### Matatalab Coding, Music & Art Kit

395.00 #A055009-20

Recommended ages 3-10 2 students per kit

Learners develop cognitive abilities, imagination and coding skills as they program a robot, create music and art.

Screenless learning tool set allows learners to create using coding blocks, by controlling a robot car through coding algorithms. Instant feedback is received to enforce coding is simple. With the Music add-on, learners compose and create their own music. Learners draw graphics and pictures through programming, towards more advanced stages of coding with the Artist add-on.



Musician Add-On Set



Artist Add-On Set

## NEW DRONE

### CoDrone Edu Kit

\$310.00 #A055005-21



The CoDrone EDU is a programmable drone for learning. Code it in Python or start from the basics with block-based coding. With its color sensors, a front range sensor, a bottom range sensor, and more, it's a great way to learn to code. The durable and safe frame, programmable lights, and access to 7 sensors make it an excellent learning tool and a great way to learn coding and engineering skills in the classroom and for competitions.

**Each CoDrone EDU kit includes:** 1 CoDrone EDU, 1 Smart Controller, 4 rechargeable batteries, 2 2-battery chargers, 2 micro USB cables, 1 set of extra propellers (2 clockwise, 2 counter-clockwise), 1 small screwdriver and bolt, 1 QuickStart Guide, 1 set of labels for your drone & controller and 8 color landing pads.

## ***HURRAY - NEW ITEMS FOR TELLO DRONES!***

### Drone Tello Edu Replacement Propellers (4 pk)

\$10.00 #A007133-PROP



### Drone Tello Edu Replacement Guards (4 pk)

\$18.00 #A007133-GUARD



# ARCKIT

## Arc-Kit 200 Kit Architectural Scale Model

### Building Kit

#A055058-21

\$312.00



Arckit is a freeform model system that allows budding architects and model enthusiasts to physically explore architectural designs and bring projects to life. Arckit can be used as a stand-alone system or used as a platform to 'build off' using your own bespoke 3D printed components and traditional model making materials.

Includes:

- 200 Arckit pieces (Architectural building blocks).
- 37 x Reusable Arckittexture decals (including white louvres, light timber, bricks and vegetation).
- 43 x Arckit cardboard pop-outs (including figurines, trees & furniture).
- 1 x Introductory booklet with instructions for 1 design, reusable box.
- A further 3+ alternative building design instructions are available online as well as lots more printable Arckittexture decals and Arckit inspiration.
- Arckit Digital components are also available to build via SketchUp and Revit platforms.
- Reusable storage box for components and accessories.

Recommended 14+

**Gravity Maze Kit**

\$78.00 #A055048-20

\$224.00 #A055043-20  
**(3-Pack)**

Ages 8+



Students use the force of Gravity and problem solving, reasoning and visual perception skills to build a path for your marble to travel to a target. Includes 1 Game Grid, 10 Gravity Maze Towers, 3 Stainless Steel Marbles, 60 Challenges from Beginner to Expert, instructions. Recommended for grades K-5.

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**Circuit Maze**

\$78.00 #A055046-20

\$224.00 #A055040-20  
**(3-pack)**

Ages 8+



Ignite your logic and sequential reasoning skills with Circuit Maze! Your goal is to arrange the tokens to create a real circuit that lights up the different colored beacons. Includes 1 Game Grid, 60 Challenge Cards from beginner to expert, Instructions, and 21 Game Tokens (1 two-part power source, 3 LED beacons, 2 straights, 2 bridges, 2 double corners, 2 T-shaped, 5 corners, 1 switch, and 3 blockers). Recommended for grades K-5.

AC

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**Goobi Magnetic Construction Set**

\$94.00 #A000610

Ages 5+



An ideal and amusing activity which induces creativity and helps to develop a sense of proportion. Teaches simple and spontaneous ways to learn basics of geometry, physics, architecture and engineering.

Enhances eye-hand coordination and improves problem solving skills.

LOC

**Squishy Circuits Deluxe Kit with batteries**

\$118.00 #A055013-20

Ages 8+



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Squishy Circuits uses conductive play dough and insulating play dough to teach electrical circuits basics in a fun, hands-on way.

Start circuit building right away with the deluxe kit.

With pre-made doughs, you can start creating and playing without waiting! This kit also includes a deluxe battery holder which has a knob that allows your lights to blink and buzzers to beep at different speeds.

Make your own dough! You can find both conductive and insulating dough recipes here: <https://squishycircuits.com/pages/dough-recipes>

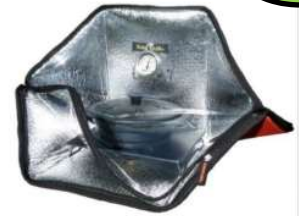
# Alternative Energy

## Solar Energy Enhancements



**Deluxe Solar Oven Kit**  
\$220.00 #A083141-02

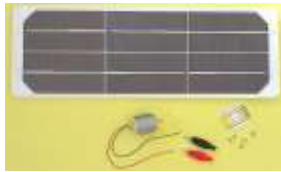
- Includes:
- 1 solar oven
  - 1 special solar oven thermometer
  - 1 3lb. Round roaster
  - 2 collapsible silicone pots
  - 2 baking trays
  - 2 baking/dehydrating racks
  - 1 carrying bag



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**Mini Solar Oven Kit**  
\$132.00 #A083143-02  
The Mini Solar Oven is perfect for science projects or crafts. It weighs only 8 oz, and folds down to about the size of a 3-ring binder.

**Solar Panel Only**  
\$32.40 #A083100-P



**Junior Solar Sprint Kit**  
\$52.00 #A083100

**Junior Solar Sprint Electric Motor**  
\$2.87 #A083160



**Junior Solar Sprint Accessory Bag**  
\$7.32 #A083101



Includes 2 shafts,  
4 wheels/tires and  
2 spur gear sizes

**Junior Solar Sprint MT  
Bracket/Screws/Gears**  
\$3.14 #A083161



**Solar Car Kit**

\$162.00 #A055197-20

The class kit provides additional solar car supplies.

## fischertechnik STEM Renewable Energies

\$350.00 #A533022-01

How can ecological electric power be produced? "Renewable energies" will become our most important suppliers of energy in the future. Production, storage and use of electricity from natural energy sources such as water, wind and the sun are graphically illustrated using various models and numerous experiments. Contains 9 models and 28 experiments





## Alternative Energy - Solar Energy Collections

### SOLAR OVEN COLLECTION

#A055202-20 \$432.00



#### INCLUDES

- 2 Mini Solar Ovens
- Lamp
- Extra bulbs
- Thermometer
- Other accessories to allow students to experience the possibilities of solar power.



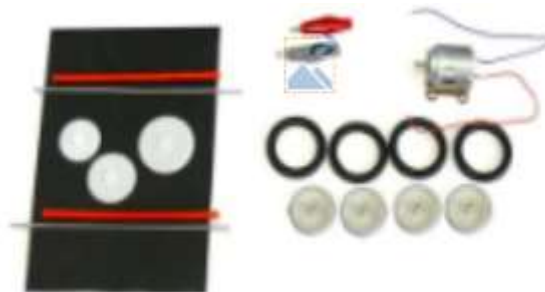
### SOLAR CAR COLLECTION

#A055203-20 \$883.00

#### INCLUDES

parts to build up to 50 cars.

\*\*\*Solar panel not included\*\*\*



## Alternative Energy - Wind Power



Students will explore the history of early windmills and the evolution of modern power generating wind turbines. They will also learn the earth science concepts that explain how wind is created, and discover the prevailing global wind patterns and understand the science behind these enormous convection currents. Here are just some of the projects your students will explore:

- Propeller blade design
- Efficiency of wind energy
- Different types of generators
- Understanding wind turbines
- Wind farm design
- Storing wind power



### Wind Power Blade Collection

#A055193-20 \$195.00

#### Includes:

- Chipboard Blade sheets
- Dowels
- Card Stock
- Adhesives

### Fan, 20" Circulating

#A083123 \$95.00



### Wind Power Replacement Parts



#### Dowels for Turbine Blades, 100 Pack

\$15.00 #A083150-01



#### Adaptable Turbine Classroom Pack

\$501.00 #A083120-CL  
(This pack is included in  
the Wind Power  
Collection)



#### Chipboard Blade Sheets 50 Per Set 3" x 12"

\$23.20 #A083148-02

# fischertechnik

LL



## fischertechnik Mechanics 2.0

\$196.00 #A536622-01

The definitive technical construction set for future engineers and technicians. This comprehensive set explores how a shaft drive and/or manual transmission work; demonstrates the function of a planetary gear; and allows you to design a stable bridge.

Requires 9V battery



## fischertechnik Dynamic XXL

\$249.00 #A544619

Even higher, even faster, and even more action! All of this is guaranteed with the Dynamic XXL marble run. Three different marble runs can be constructed, and offer various opportunities for modification.

Pair this set with the Bluetooth Control Set and Motor XS and control chicanes at the track crossings or stop points via Bluetooth, controller, or Smartphone or tablet.

Requires 9V battery



## fischertechnik STEM Electronics

\$260.00 #A524326-01

Simple circuits, series and parallel connections, electronic circuits with transistors, capacitors, resistors and LED's. **Step for step, this construction set teaches the basic principles of electronics.** The Electronic-module, a control with 8 fixed programs, has 2 motor outputs, 3 analog inputs for sensors and potentiometers for controlling the speed of the motor.

Requires 9V battery (not included).



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fischertechnik

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fischertechnik STEM Pneumatics

\$213.00 #A533013-01

STEM Pneumatics teaches the basic principles of pneumatics, and demonstrates the functioning of components like compressors, pneumatic valves and cylinders, as well as an exhaust throttle valve. The concept also includes a full set of lesson plans

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**Those items in the Limited Quantities  
Sale are going fast! The list is located  
at the beginning of the catalog.  
*Stock up while you can!***

# K'nex

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## \*K'nex 78630 Intro to Simple Machines: Gears

\$46.00 #A078630



Includes 198 colorful parts to make seven different replicas of real world simple machines.

STEM concepts—making work easier, mechanical advantage, gear ratios, spur gears, crown gears, mechanical systems and more!

## \*K'nex 78610 Intro to Simple Machines: Levers and Pulleys

\$46.00 #A078610



Includes 178 colorful parts to make seven different replicas of real world simple machines.

STEM concepts—making work easier, mechanical advantage, effort arm, fulcrum, lever classes, pulley systems and more!

## \*K'nex 78620 Intro to Simple Machines: Wheels, Axles & Inclined Planes

\$46.00 #A078620



Includes 221 colorful parts to make seven different replicas of real world simple machines.

STEM concepts—making work easier, mechanical advantage, wedges, screws, energy transfer, mechanical systems and more!



## K'nex 89790 Thrill Rides 6-Foot Ferris Wheel

\$710.00 #A089790

Take on the ultimate K'nex building challenge with the 6-foot Ferris Wheel Building set! Ideal for kids 9 and up!

The set includes 8,550 classic K'nex pieces, a manual and a battery-powered motor. (Requires 2 AA batteries, not included).

## Exploring Gears



NEW

### Exploring Gears Kit

#A055025-20

\$179.00

Our gears pieces are made from sturdy plastic and snap together to bring colorful motion to any creation while challenging motor skills and creativity. Kids will build early engineering, fine motor, and other vital STEM skills with each new imaginative machine. Open-ended building allows for almost endless creative possibilities and an engaging way to build critical thinking skills. Recommended for grades K-2.

## Engino

### Engino Architecture Kit

#A055018-20

\$250.00

LL



Engino brings complex concepts into clear focus for budding engineers and scientists.

LEARN how structural components work together to create the Eiffel Tower and the Sydney Bridge structures



## Robotics and Control Technologies

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**Ozobot EVO Starter Kit Collection**  
\$250.00 #A055031-20

Meet Ozobot Evo, the tiny smart robot! Starting with color markers, Ozobot takes kids on a fun and mesmerizing experience through creative drawing, problem solving and group challenges by color coding commands in the form of basic color combinations.

**In the box:**

1 Ozobot Evo educator kit with the 8 markers and charging cable,  
8.5 x11 cardstock (#A000575-01 at \$12.54) if want to purchase separate



**Ozobot Evo Classroom Kit**

\$3,124.55 #A000576 (18 bots)

The Ozobot Evo Classroom Kit comes with 18 Evo Bots and everything else you need to introduce Ozobot to your students. Includes 150+ STEAM lessons.

Recommended for grades K–12.

1 STEAM SYSTEM | 2 WAYS TO CODE



**Ozobot Washable Markers—5 Pack**

\$8.75 #A000571

2 of black and 1 of each red, green and blue colors.

Use any plain white paper to draw paths and mazes for Ozobot.



**OZOBOT EVO ENTRY KIT**  
\$182.88 #A000570-01

Includes:

- 1 Evo Robot
- 1 charging cable
- 4 color code markers
- Access to 150+ STEAM lessons

## Robotics and Control Technologies

### WONDER WORKSHOP DASH KIT

#A055026-23 \$360.00

Dash and Dot Robots, Accessories and Sketch Pack  
This Value Pack will encourage kids to use their imagination while helping them build problem solving skills.

Includes:

- Wonder Dash robot
- Wonder Gripper Building Kit

Recommended for grades 3-5



## *NEW ITEM*

### UKIT Beginner

\$305.00 #A008595

UKIT Beginner provides a springboard to expose students to robotics. Designed for classrooms, UKIT Beginner and supporting curriculum reinforce STEM instruction in an engaging hands-on way while building a foundation for problem-solving and computational thinking skills.

- A comprehensive building kit is included. No additional pieces are required.
- NGSS-aligned curriculum provides 5E lesson plans on integrated STEM topics.
- **UBTECH Education's proprietary app lets students build and program their robotics projects with block-based coding.**
- Up to 13 pre-designed models in the app spark creativity with the added potential of customized build options.



## Robotics and Control Technologies

# *NEW ITEMS*

### UKIT Advanced

\$578.00 #A008594

UKIT Advanced offers an open-ended approach to robotics and STEM topics for the more experienced roboticists in your classroom. With a more sophisticated and versatile tool set, UKIT Advanced provides an in-depth look at the mechanics, electronics, and programming behind real high-tech robotics.

- Comprehensive building kit includes more than 1000 pieces, 16 servos, real Arduino-compatible microcontroller, and complete circuitry kit for limitless opportunities.
- NGSS-aligned curriculum designed to prepare students for college and careers with complex, real-world design and coding challenges.
- The Working with Circuits guide provides an introduction to circuitry fundamentals and electrical engineering.
- Build and program with block-based code using UBTECH Education's proprietary uCode software or text-based code in C/C++ through Arduino IDE.
- Up to 38 pre-designed models in the software invite students to fully explore the engineering design process or invent their own projects.
- Recommended for middle school.



### PI-TOP Robotics Kit (with License Info)

\$682.00 #A055117-21

Make coding and robotics fun and exciting. Use new coding skills to make your robot come to life as it moves, follows a ball, or chases any other moving object!

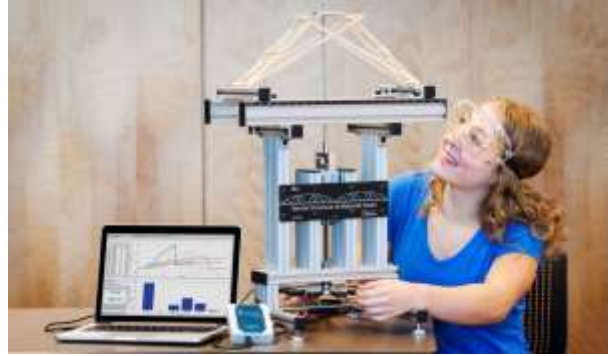
- Recommended for high school.





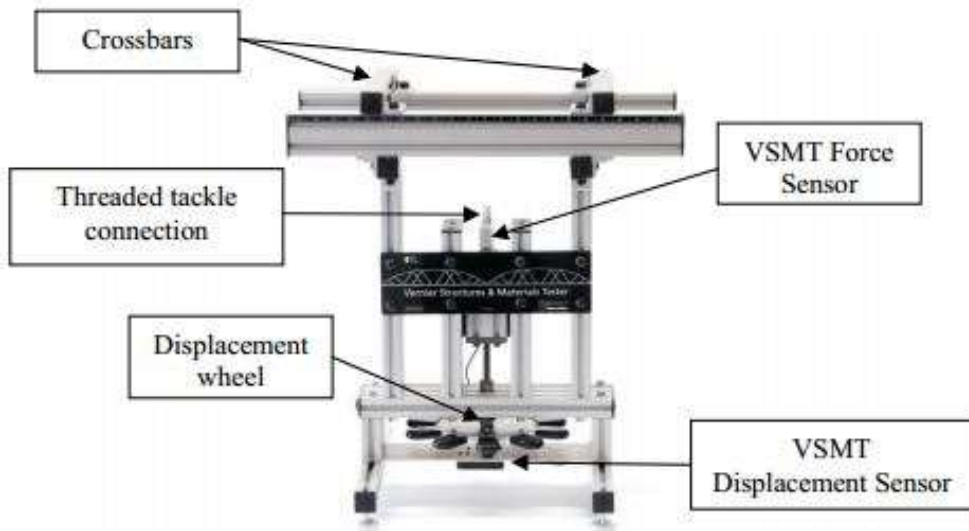
# Materials Testing

Vernier Go Direct Structures & Materials  Tester  
 \$1,590.00 #A730076-01  
 Mac/Win



Evaluate the strength of model bridges and engineered structures by measuring the applied load with the Vernier Structures & Materials Tester. Utilizing both load and displacement sensors allows students to evaluate properties of materials (stress and strain).

Recommended for high school students.




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### ISC Accessories

Bridge Model Kit, Balsawood  
 \$120.00 #A005000  
 Bridge Model Kit, Basswood  
 \$135.00 #A005001



## CNC MACHINE

**NOMAD 3 Desktop CNC MILL**  
\$3,302.20 #A008062-01

A Fully integrated, ready-to-run CNC Mill  
Includes:

- Power Supply
- USB Cable
- MDF Wasteboard
- 1/8" ER-11 Collet and wrenches
- 1/8" Ball endmill
- 1/8" Flat endmill
- Double Sided tape
- Software, Carbide Motion Machine Carbide  
Create 2D CAD/CAM and MeshCAM



\*\*\*\*\*Extra shipping charges will apply\*\*\*\*\*



**NOMAD ENDMILL STARTER PACK**  
\$177.65 #A008063-01

Includes

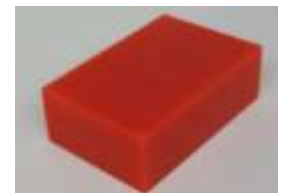
- 2 of #101 .125" Ball Endmill
- 2 of #102 .125" Flat Endmill
- 2 of #111 .0625" Ball Endmill
- 2 of #112 .0625" Flat Endmill
- 1 of #121 .0312" Ball Endmill
- 1 of #121 .0312" Flat Endmill
- 1 of #501 60 Degree Engraver
- 1 of #501 40 Degree Engraver



**NOMAD MATERIAL BUNDLE**  
\$254.98 #A008064-01

Includes

- 2 of 1"x3"x5" Synthetic Wood (Qty 5 per set)
- 2 of 1"x2"x3" Machinable Wax (Qty 5 per set)
- 2 of .125"x4"x5" Acrylic (Qty 5 per set)
- 2 of 1"x3"x5" HDPE (Qty 5 per set)
- 2 of .125"x4"x5" Red/White/Red two-tone HDPE
- 2 of .125"x4"x5" Blue/White/Blue two-tone HDPE
- 2 of .125"x8"x8" Red/White/Red two-tone HDPE
- 2 of .125"x8"x8" White/Black/White two-tone HDPE



## Carvey Accessories

### Carvey Mosaic Tiles

(60 per set)

\$260.00 #A008050-1



### CNC Accessory Collection

\$278.00

#A055170-20

This collection includes a Dremel Craft and Hobby Maker kit, a Dremel All Purpose Accessory Collection, a toolbox and assorted gloves and eye guard

Have you switched over to **LearningHub** yet? NO?  
Now is the time!  
Contact your Customer Success Manager for more info!

**Kathy Oyer** [kathy.oyer@creativelearningsystems.com](mailto:kathy.oyer@creativelearningsystems.com)

**Tim Hamlin** [tim.hamlin@creativelearningsystems.com](mailto:tim.hamlin@creativelearningsystems.com)

You can also learn more at:

<https://www.smartlablearning.com/learning-programs/learning-hub/>



# SmartPad

## SmartPad Single Kit

\$987.53 #A055138-03

128GB, WiFi Only, Space Gray

- Includes AppleCare Protection Plan
- Fully configured by CLS to support the SmartLab Learning Environment
- Includes curriculum & support for 130+ applications
- Integration with Google, Microsoft and Mac systems



Each SmartPad will be pre-configured prior to shipment to include the most up-to-date resources and curriculum for students. Our designers will ensure that each SmartPad is loaded with applications to support what is currently going on in your SmartLab, and to extend the functionality of your current equipment.

Configured with 130+ applications, the SmartPad gives your SmartLab a level of flexibility to support students in all grade levels. Engagements support learning at all levels K-12.



## SmartPad

### SmartPad Kit & Storage Collection

\$3,775.00 #A059038-04

This collection includes three iPad kits (see description above), plus locking, secure storage with charging capability.



### Pocketlab, Air

#A000236 \$363.66



NEW

Air brings together everything a scientist needs to make a difference in one, durable **device**. **It's a science lab powerful enough for professional-grade** air research that we thought should be compact and user-friendly enough to put the power directly in the hands of the next generation.

- Investigate the air quality in the community and produce research-quality results
- Tackle climate change with technology powerful enough for the pros and user-friendly for anyone
- Empower citizen scientists by making climate change personal and involving students in gathering real-world information
- Recommended 6-12.

## Data Acquisition



### Vernier Sensing Science Middle School Set

\$1,600.00 #A055523-20

Mac/Win

LL

We all measure something every day—our weight, the size of a desk, the temperature outdoors, the speed of our cars. With this kit, learners can take the act of measuring to a whole new level. Using the LabQuest 2 Interface and light probes, they can measure the intensity of light at various distances and hypothesize about the reasons for any differences. They'll track body temperature changes under various conditions. And they'll measure and plot position, velocity, and acceleration of their jumping partner and a bouncing basketball. And that's just the introductory activities; learners will be challenged to devise their own "sense-ible" explorations using this kit.

### Vernier Elementary Sensing Science Collection

\$662.00 #A055521-20

Mac/Win

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### Elementary Sensing Science Accessory Collection

\$174.00

#A055522-20

The Vernier Elementary Collection includes a Go! Link Interface (includes Logger Lite software), Go! Temp Sensor, Go! Direct Light and Color, Go! Motion Sensor, and Dual-Range Force Sensor.

Wow! There is a lot of stuff in this collection! We go shopping in several different stores for all of this! This collection supports the activities in the Vernier Elementary Collection. It includes tennis balls, slinky's, ceramic cups, plastic tumblers, spoons, ice packs, duct tape, bubble roll, poly fill, and much more!



### Elementary Science with Vernier

\$71.06 #A730027-01

The activities in this book investigate the topics of temperature, motion, force, magnetism, light, electricity and pressure.



### Let's Go! Investigating Temperature

\$36.58 #A730069

This lab book contains ten engaging temperature experiments to use with the Go! products.



## Data Acquisition

### Vernier LabQuest 3

\$527.00 #A730030-02

Mac/Win



The all new LabQuest 3 is a standalone data-collection Platform that students can use to collect, analyze and interact with data efficiently. Wireless connectivity and touchscreen features. Connects wirelessly to computers, Chromebooks or mobile devices running Graphical Analysis. Requires Logger Pro software to work with a computer.

LabQuest 3 is compatible  
with existing Vernier sensors.

### Vernier Go! Wireless Heart Rate

\$130.63 #A730082

Mac/Win



The Vernier Go Wireless Heart Rate is ideal for continuously monitoring heart rate before, during, and after exercise or while a person is stationary. Data are wirelessly transmitted to iPad, LabQuest 2 or Android devices.

### Vernier Go Direct Hand Dynamometer

\$203.00 #A730066

Mac/Win



Measure grip strength, pinch strength and perform muscle fatigue studies. Requires an interface and software. Connects via Bluetooth or USB

## Data Acquisition



### Vernier Go Direct Energy Sensor

\$148.39 #A730078  
Mac/Win

The Vernier Energy Sensor offers an easy way to quantify voltage, current, power and energy output of small wind turbines and solar panels. Blue tooth or USB connection.

### Vernier Go Direct™ Temperature Probe

\$135.00 #A730097  
Mac/Win

Unlike a traditional thermometer, Go Direct Temperature allows students to collect real-time temperature measurements of a single instance or over a period of time. Its range and wireless capability make Go Direct Temperature the go-to sensor for real-world applications. It's also waterproof!



Vernier Light Sensor  
~~\$99.28~~ #A730052  
Mac/Win

The Light Sensor approximates the human eye in spectral response and can be used over three different illumination ranges, which you can select with a switch. Use it for inverse square law experiments or for studying



### Vernier Stainless Steel Temperature Probe

~~\$56.43~~ #A730051  
Mac/Win

This rugged and durable temperature probe has a sealed stainless steel shaft and tip that can be used

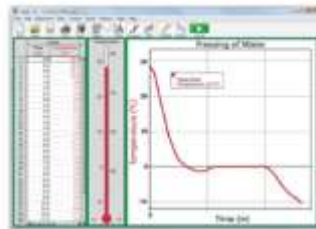
Price Cut  
NOW: \$84.39

Price Cut  
NOW: \$47.97

## Data Acquisition

### Vernier Go! Direct Temp Teachers 8 pack

#A730070-01 \$860.00



*We've made it easy to use technology to teach science concepts with Go!Temp. Plug Go! Temp directly into your computer or Chromebook USB port to start collecting real-time temperature data. Range:  $-20^{\circ}\text{C}$  –  $115^{\circ}\text{C}$ , Maximum temperature that the sensor can tolerate without damage:  $150^{\circ}\text{C}$ , Resolution:  $0.07^{\circ}\text{C}$ , Accuracy:  $\pm 0.5^{\circ}\text{C}$ , Response Time: 4s (to 90% of full reading in water). Recommended K-12.*



### PocketLab Voyager Kit

#A055130-21 \$301.00

*The PocketLab Voyager is packed full of sensors for collecting and analyzing data from a wide range of scientific experiments. Our kit is designed to allow students to explore forces and motion using 3D-printed carts and accessories that fit onto the sensor.*

#### **The kit includes:**

- 1 PocketLab Voyager Sensor, charging cable, and protective case
- 1 set of skateboard bearings to serve as the wheels of the 3D-printed carts
- 1 large assortment of Hot Wheels tracks for building test courses for physics experiments
- 1 Gratnells Container and lid to keep all of the parts organized

*Note: This kit requires is designed for use with components that are 3D printed in your SmartLab HQ. Files for compatible carts and accessories are available on the Project Starters and SmartLab Technology Training Resources in LearningHub or on [Thingiverse.com](http://Thingiverse.com).*



## Energy Efficiency

### Vernier Energy Efficiency Secondary Collection

\$1,880.00 #A055527-20



The Secondary Energy Efficiency Collection provides a set of resources and tools that students can use to perform an energy audit on the SmartLab (and the whole school!).

Our curriculum takes students through a wide range of Energy Efficiency topics including: calculating your carbon footprint, performing a house energy audit (with an infrared camera and watt meter), measuring light levels, and looking at the impact of recycling.



The Secondary Energy Efficiency Collection includes a Vernier LabQuest 2, a Flir Infrared Camera, and a variety of Vernier sensors.



### Vernier Energy Efficiency Elementary Collection

\$535.00 #A055526-20

The Elementary Energy Efficiency Collection supports the Energy Efficiency activities in the Sustainability section in Lift Off Challenges.

Using a variety of Vernier sensors, your students will learn how to choose the right bulbs for lighting different areas of your home and school.



# Electricity – Snap Circuits

LOC

LL

## SNAP CIRCUITS COLLECTION (ALL GRADES)

#A055060-20 \$356.35

This introductory level kit makes learning electronics easy and fun. Build exciting projects such as AM radios, burglar alarms, doorbells and much more!



This collection enables entry level students to explore simple series and parallel circuits with different types of switches, lights, motors, buzzers, LEDs, resistors, radios, and diodes.

This kit offers an in-depth exploration of electronic components. This kit includes a Student Guide, which has 138 pages of educational curriculum.

## Snap Circuit Green Energy Collection

\$172.00 #A055187-20

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Learn about energy sources and how to think green.

The included manual will explain all the forms of environmentally friendly energy including: geothermal, hydrogen fuel cells, wind, solar, tidal, hydro and others. Builds over 125 projects.



## Snap Circuit Rover SCROV10

\$106.33 #A008340

***New Rover now available!***



## Snap Circuits



### Snap Circuits STEM

\$58.52 #SC6SCSTEM1

Learn about electricity and magnetism, and how they relate to each other. Projects include an understanding of magnetic fields, how the electricity in your home works, and how switches control the electricity to the lights in your home.

Requires (3) AA Batteries—not included

**Limited Quantities Sale item!**



### Snap Circuits SNAPINO

\$50.00 #A055188

Snapino is an introduction to the open-source Arduino hardware-software coding environment embraced by the Maker community worldwide. Snapino is compatible with other Arduino shields and components, and may be used with other Snap Circuit sets to make larger circuits.

Requires 9V Battery—not included



### Snap Circuits 3D Illumination

\$72.11 #SC6SC3Di

Take Snap Circuits into a new dimension with new snap modules allowing you to build your circuits horizontally, vertically and upside down.

Includes a projector with 6 cool images, a 3-color light tunnel and mirrors and reflecting circuits.

Requires (3) AA Batteries—not included

# Learning Resources Products—Ages 5+

## CODE & GO BOTLEY KIT

\$146.00 #A055037-20



Meet Botley, the code to fun! As the newest member of the Learning Resources family, Botley is here to introduce coding in an easy, friendly way. Children as young as 5 can learn to code with Botley.

Botley is ready to use right out of the box—he'll have kids coding in minutes.

Botley is 100% screen free and includes a 77-piece activity set.



## Code & Go™ Colby Robot Mouse Activity Set

\$140.00  
#A055039-20



Build your maze and then use the coding cards to create a step-by-step path for Colby, the Programmable Robot Mouse.

## Geometric Shapes Building Set

\$175.00  
#A055056-20



Create endless opportunities for students to build and explore shapes! Combine sticks in 3 sizes, along with curves for making circles and cylinders, with 2 different types of connectors to build 2-D shapes



## Let's Go Code!™ Activity Kit

\$89.00 #A055038-20

Children will have fun while building gross motor skills by stepping, hopping and turning. This set introduces children to early coding and programming ideas without electronics.



## STEM Simple Machines Activity Set

Keep it simple with real STEM learning! Introduce and explore all 6 simple machines.



## Primary Physics Collection

\$107.00

#A055036-20

## STEM Force & Motion Activity Set

Get your motor running with real STEM learning! Discover the science of motion through scientific exploration with colorful, engaging tools and hands-on activities.



## City Engineering & Building Kit

\$135.00 #A055035-20



Encourage an early love of STEM learning with this one-of-a-kind City Building Set. Your little engineers can create their own skyscrapers, cranes, bridges and more with 89 easy-to-assemble pieces. (5 Kits are combined in this set, almost 450 pieces total)





## Circuitry/Software Engineering

MaKey MaKey Classic Collection  
\$263.90 #A055014-21



Turn everyday objects into a keyboard! Use your imagination and turn a banana into a piano. You can turn anything that conducts electricity into a button or key!

Some examples of things you can use:

- Play Doh
- Pencil
- Chopstick
- Pie Pan
- Aluminum Foil
- Sponge



Sparkfun Copper Tape—50'  
\$7.32 #A000204

Sparkfun Inventors Kit  
Parts Refill Pack  
\$ 32.40 #A000201



CRAZY CIRCUITS BIT BOARD  
CLASSROOM SET W/ MICRO BIT  
\$205.00 #A000212-03

This full kit gives you everything you need to start creating projects in minutes!

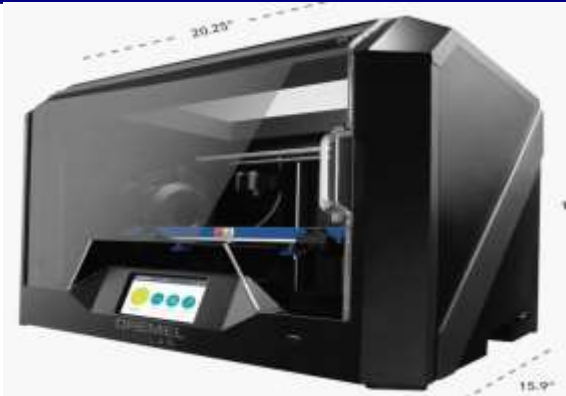
The Bit Board allows users to combine Micro:Bit and LEGO together to create all sorts of amazing projects. The bit board snaps onto any Lego compatible Component. Connect other Crazy Circuit components with the included Maker Tape. Use a ribbon cable to connect sensors, or directly plug a servo into the bit board. Use the built in relay to control DC motors and devices.



# 3D Printing

## Dremel 3D45-01 Printer

\$2,194.50 #A008036  
Mac/Win



We are now providing the newest Dremel 3D45 printer!

WiFi-Enabled, Mobile App available, Ethernet ready,  
removable heated glass build plate.

Includes a HD camera to monitor your build and capture  
time-lapse videos.

Uses Dremel brand filament only. In addition to PLA filament,  
it also can use Nylon and Eco-ABS Filament—currently only  
available in Black. The printer recognizes the type of filament  
that's loaded and automatically adjusts temperature settings.

**Includes:**

- 1 Black Nylon Filament Spool
- 1 Black Eco-ABS Filament Spool
- Dremel Print Cloud License
- Dremel DigiLab 3D Slicer
- Stick of Glue
- Object Removal Tool
- USB Flash Drive
- Quick Start Guide

**Dremel 3D45 Printer Accessory Collection**  
\$135.00 #A055706-20

In this accessory collection, we add additional tools, glue sticks and gloves to complete everything needed to efficiently create your 3D models.

### Dremel Glue Sticks Package of 3

\$10.45 #A008339

Washable disappearing glue. Goes on purple, but dries clear. The 3D45 uses glue instead of build tape to secure the models to the build platform.

### Dremel Blue Build Tape Sheets Package of 10

\$31.35 #A008336

Use this tape on top of your build plate to keep the plate from scratching. Blue build tape lasts up to 10 prints.



**Dremel 3D45 Consumables**  
Use these consumables with the 3D45 Printer

## NEW 3D PRINTER ACCESSORY



Palette 3S Pro by Mosaic  
#A000131-02 \$1,150.00



Take your 3D printing to a new level!  
Palette 3 Pro offers the greatest possible flexibility in the choice of colors and materials. 8 different filaments can be processed by the Palette 3 Pro - this enables unprecedented possibilities for 3D printing. Optimized splice core for faster printing without filament jams  
The Aluminum Splice Core Pro allows for faster splicing and cooling, improving the overall print time. Recommended to use with Dremel3D45



## 3D Printing

### Dremel 3D Filament

Dremel 3D PLA Filament has been specifically engineered for optimal printing with your Idea Builder. PLA is a thermal **plastic that softens and melts when it's heated, building** your designs strand by strand and layer by layer. The PLA has been designed to melt at a temperature compatible with the Idea Builder, producing a stable, strong object with a high quality finish.

Dremel PLA is plant-based and recyclable.

*NOTE: Spool holders are currently being changed from plastic to cardboard by the manufacturer.*



**Many people ask how much filament does it take to make a model? Here's Dremel's answer:**

One spool can create:  
 36 small models  
 14 medium models  
 3 large models

Note: Print amounts are approximate and based on moderate fill. Your print amounts may vary based on quality and fill settings for each model.

### Dremel 3D Filament

- #A008338-BLK—Dremel 3D Black Filament PLA Spool \$35.53
- #A008338-ORG—Dremel 3D Orange Filament PLA Spool \$35.53
- #A008338-PUR—Dremel 3D Purple Filament PLA Spool \$35.53
- #A008338-SIL—Dremel 3D Silver Filament PLA Spool \$35.53
- #A008338-TWHT—Dremel 3D Translucent White Filament PLA Spool \$35.53
- #A008338-WHT—Dremel 3D White Filament PLA Spool \$35.53
- #A008338-BLU—Dremel 3D Blue Filament PLA Spool \$35.53
- #A008338-GRN—Dremel 3D Green Filament PLA Spool \$35.53
- #A008338-RED—Dremel 3D Red Filament PLA Spool \$35.53
- #A008338-PINK—Dremel 3D Pink Filament PLA Spool \$35.53

### Dremel 3D45 Filament

- #A008325—Dremel Black Nylon Filament Spool \$49.12
- #A008326—Dremel Black ECO ABS Filament Spool \$43.89

**For use with Dremel 3D45 Only!**

## Software—Miscellaneous

Note: We can only sell software to educational institutions, teachers, and students. Proper identification is required. (purchase order, teacher or student id) Download software is non-returnable.



Punch! Home & Landscape Design Premium V20

\$165.00 #A750001-06

Windows  
Download only



Punch! Home & Landscape Design Studio Complete

\$165.00 #A750002-04

Macintosh  
Download only

The Punch Home & Design Landscape Suites make designing a home, deck, or your own landscape project easy! Taking your dream home from idea to reality has never been easier than with the newest version of their home and landscape design package! Easy-to-customize room templates with updated object library with over 30,000 design combinations.

\*\*\*\*Please ask for system requirements before ordering\*\*\*\*

Stop Motion Studio 2 – Mac Only

#A056003 \$15.68



Want to create movies like Wallace and Gromit or those groovy Lego shorts on YouTube? Stop Motion Studio is an amazing app to create terrific stop action movies with a whole host of unique features. Like the frame-by-frame editor, the never get lost timeline and the cool sound editor.

Recommended 6-12

Those items in the Limited Quantities Sale are going fast! The list is located at the beginning of the catalog.  
***Stock up while you can!***



## Software—Graphics and Animation

Note: We can only sell software to educational institutions, teachers, and students. Proper identification is required. purchase order, teacher or student id). Download software is non-returnable.

### FabMaker Studio, Cloud Based

#A007773 \$67.93

Digital Design and Fabrication Software.  
Easy to implement 3D printing in the classroom.  
Easier and more affordable too.

\*\*\*This is a five (5) year license \*\*\*\*



LOC



### Animation-ish K-12

#A007771 \$67.93

- Download Animation-ish online
- Cloud based platform
- 5 year license

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LOC

Animation-ish is an easy-to-use animation software program that inspires creativity and enables **children to “show what they know”**. **Animation-ish** includes three levels that provide students from K-12 (and teachers too!) with a fun, rewarding experience that fosters the ability to animate **across the curriculum with confidence**. **It’s a wonderful presentation tool for teachers and students.**

Animation-ish also includes curriculum-based activities aligned to national standards, over 50 **“Inspire Me” video clips**, **“Share” feature for one-click** exporting in multiple formats, online animation lessons and more!

## Software—Tech4Learning

Note: We can only sell software to educational institutions, teachers, and students. Proper identification is required. (purchase order, teacher or student id). Download software is non-returnable.

### Pixie™

\$42.50 #A005647-01—Single  
Windows Download only

Volume licensing is available direct from the manufacturer.



Pixie is exciting creativity software students can use to share ideas, imagination, and understanding through a combination of text, original artwork, voice narration, and images.

Pixie engages students in their learning, and motivates a wide range of learners.



### Frames 6

\$40.76 #A001034-03—Single  
Mac/Win Download only

Volume licensing is available direct from the manufacturer.

Frames is the premier tool for turning images into animations. Creating animated movies with Frames engages students, giving them ways to collaborate and communicate.

With Frames, you can add text, shapes, and transitions to animations. You can also import sound tracks and record original narration, and you can use chroma key to layer images.



### Claytoon Clay Project Studio Kit

\$85.00 #A001038



This kit includes non-hardening modeling clay, 12 project cards, 8 sets of “bendy bones”, 5 modeling tools and a clay knife.

## Hardware and Accessories



### One by Wacom

\$78.38 #A007805-05

Mac/Win/Chromebook

From learning to draw and edit photos to collaborating in online classes or completing academic assignments with natural handwriting, One by Wacom brings an easy to use digital pen to PC, Mac and most Chromebooks. Digital learning and creativity couldn't be easier. **Active area 6.0 x 3.7" inches.**



### FotodioX LED Studio in a box

\$125.00 #A009069-02

- Self contained tabletop studio 16"x16"
- Interior LED lighting 5600K daylight
- Unfolds into a square light tent
- Reflective interior
- Comes with blue, gray and white backgrounds



### Logitech Gamepad Controller

\$28.22 #A008102-01

Requires a USB connection.  
1.8 meter cord  
Windows 8,7, Vista or Chrome OS

Have you tried the new "Google Translate" and "Text-to-Speech" functions of the updated LaunchPad? See the instructions under "Facilitator Resources" on the Admin LaunchPad.

# Padcaster®

## Padcaster® Studio Kit - 10.9-inch iPad

\$3,450.00. #A059039-05

### Student video broadcasting anywhere!

No need to plug anything in! This is a broadcast on the go using popular 3rd party livestreaming solutions like Youtube Live, Ustream, etc.

Streams directly to the TriCaster in existing studios for remote broadcasting!

Portable—everything you need fits in a convenient backpack

#### Features:

3 types of high-quality microphones to choose from depending on your video shoots audio needs

Add titles to the video just like a professional newscast

Green screen capability for creating custom video backgrounds

**NOTE:** Padcaster requires active wireless to function.



**Padcaster® curriculum is now available!**

#### The CLS Padcaster® Studio Kit includes:

- 10.9 in iPad pre-loaded with over 50 productivity Apps
- 2-Port portable USB battery pack
- Padcaster® Case
- Lens Bracket with 72-58mm step-down ring
- Compatible wide-angle lens
- Padcaster® Unidirectional microphone
- Dual mic and headphone cable
- Stick Mic with Clamp System
- Lavalier microphone
- LED light system
- Tripod—w/dolly
- Green screen
- Backpack for portability





## Student Broadcast Studio - Curriculum now Available!



The Student Broadcast Studio is a fully-integrated, professional-grade video production platform developed specifically for school applications.

Every Student Broadcast Studio is custom designed in collaboration with each school to meet their specific video production and educational objectives.

### Student Broadcast Studio

The Student Broadcast Studio offers all the power of a professional, live-editing video studio in a portable, easy-to-operate system.

The Student Broadcast Studio features a digital audio/video mixer that seamlessly integrates live or recorded input. It includes two professional-quality video cameras and a computer workstation with DVD recorder and flatpanel monitor array. An integrated video converter creates digital video streams suitable for live or prerecorded webcasts of school events.

The system's digital mixer allows students to create dynamic, professional video productions. Transitions, fades, wipes, virtual sets and other effects are created easily and on-the-fly. Students will use the robust video-editing suite and computer workstation to create amazing post-production video effects.

The entire system is housed on a seventy-two inch workstation that includes rugged, oversized casters and rack-mount enclosures. Everything on the Student Broadcast Studio is securely mounted, allowing learners to freely move the system around the school without risk of injury or damaging equipment.



### Chroma-Key Virtual Set System

Once possible only in expensive studio settings, the Student Broadcast Studio incorporates the very latest in chroma-key technology to create virtual sets and backdrops—maintenance free and for a fraction of the cost!

The Student Broadcast Studio uses LED light rings and a specially-designed reflective gray screen to create these sophisticated effects in a portable, easy-to-use system.



### Teleprompter System

Ever wonder how television news anchors can read a script without ever looking away from the camera? Teleprompter technology allows prewritten scripts to scroll over specially-designed screens placed directly in front of the camera lens.

The Student Broadcast Studio teleprompter system allows students to use this professional production technique easily and economically. It's a terrific way to build reading and writing skills while adding even more professionalism to video productions.



Each integrated system is custom designed to meet the specific needs of each school and prices ranges described above have been established to accommodate most common configuration options. We look forward to collaborating with you to design a system specific to your video production and learning objectives. Creative Learning Systems will then provide you with a detailed system and pricing proposal for your Student Broadcast Studio.

# Miscellaneous

## CLS Mousepad

\$10.25 #A000113-05

Black pad with new CLS logo

## CLS Score Sticker—Pack of 20

\$29.26 #STICKER-SCORE



If you have a 2017 or newer score, you can use these stickers and templates that are found under "Facilitator Resources" in the LaunchPad to customize your score.



## Roto Cart

#A007650 \$230.00

Approximate Dimensions 38 inches tall and about 19 inches wide.

\*\*Extra shipping charges will apply.

# High Yield Toner Cartridges for the HP LaserJet Pro M255DW Printer



Yellow HP W2112X  
#A007694-Y-02 \$158.00



Magenta HP W2113X  
#A007694-M-02 \$158.00



Cyan HP W2111X  
#A007694-C-02 \$158.00



Black HP W2110X  
#A007694-BK-02 \$158.00



**HINTS FOR ORDERING:** In your email, supply the *item #, item name, quantity,* and *cost.* Don't forget to *leave about 10% for shipping costs.* Your catalog credit will cover that as well.

#### For Catalog Orders

Contact: Susan Kirmaier  
susan.kirmaier@creativelearningsystems.com

A child's level of learning, today, measures their level of  
career success in the future!  
We, at CLS, can help you, to help kids, build a better  
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