



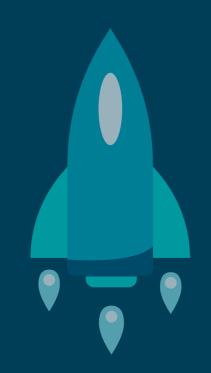


**SCIENCE** 











#### **STEAM Product Resource Guide | Fall 2024**









# TABLE OF CONTENTS

# WHAT ISSTEAM LEARNING?

STEAM learning is an educational framework that aims to spark an interest and a lifelong love of the arts and sciences, specifically focusing on hands-on study in the fields of Science, Technology, Engineering, the Arts, and Math. Teaching these relevant, in-demand skills prepares students to become innovators in an ever-evolving world.

STEAM also empowers teachers to employ project-based learning that addresses each of the five disciplines and fosters an inclusive learning environment in which all students are able to engage and contribute.

The STEAM framework teaches students how to think critically, problem solve, and use creativity. It develops confidence and improves students' communication skills. STEAM learning prepares students to work in fields that are poised for growth, and the skills students gain from a STEAM education can be translated into almost any career.

Source: University of San Diego

# STEAM STEAM STARGETS

#### INFLUENCERS

Department of STEAM Coordinators

**Department of STEAM Specialists** 

**Educators** 

#### DECISION MAKERS

Superintendents

**Principals** 

**School Boards** 

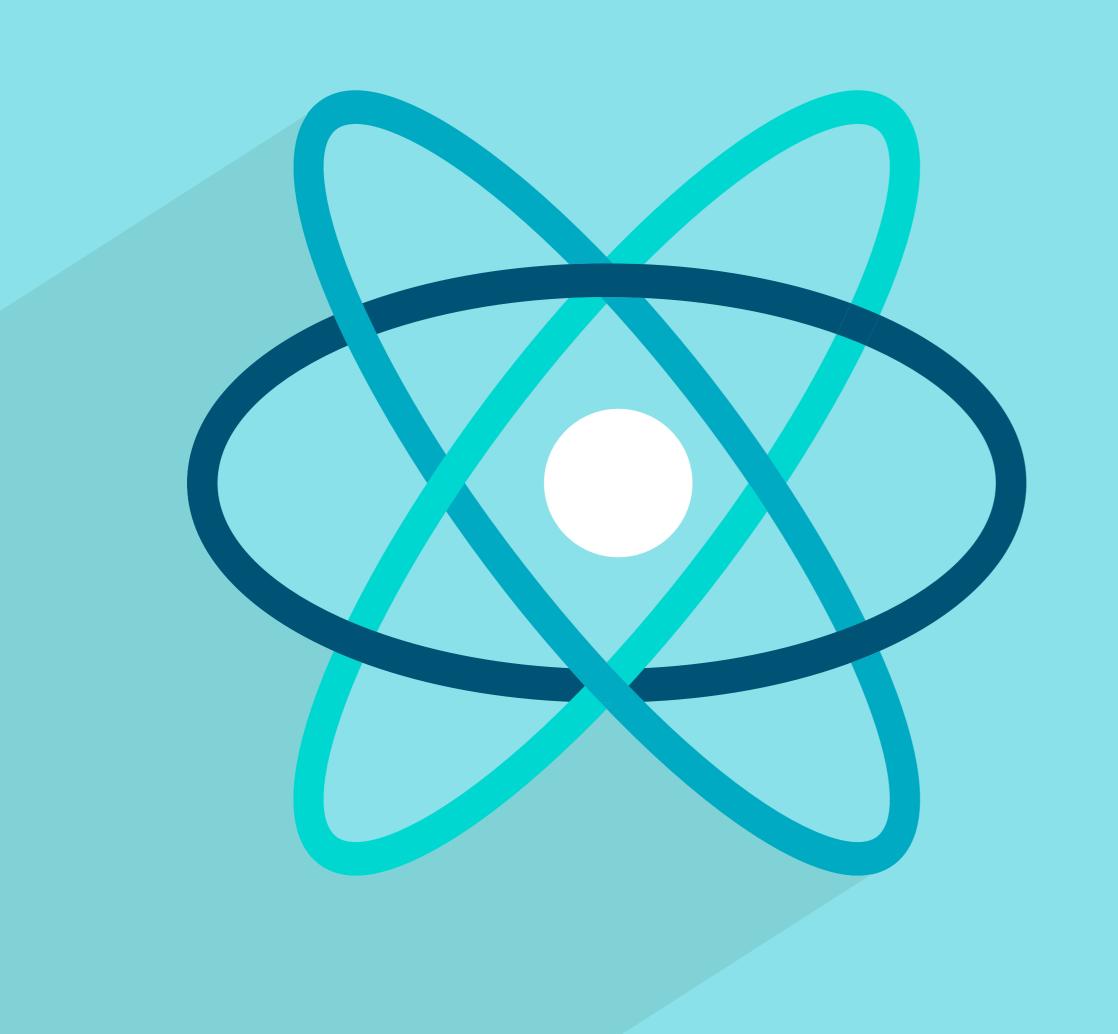
Curriculum & Instruction Directors / Academic Officers

Technology Officers & Directors / CTOs / CIOs

- **01** Critical Thinking
- **02** Cognitive Thinking
- **03** Communication Skills
- **04 Problem Solving Skills**
- **05 Student Engagement**
- **06 Student Collaboration**

# 





#### **3D PRINTING + FABRICATION**

A revolutionary technology that can be used to create physical objects from digital designs, allowing students to explore their creativity and produce tangible results. This technology offers unique advantages for teachers, such as increased engagement in the classroom and improved student learning outcomes.



**High School** 

#### **STEAM BENEFITS:**

- Fosters Science, Technology, Engineering, Art, and Math multidisciplinary thinking.
- Exercise design fundamentals with 3D objects.
- Lesson plan designs for multiple ages by educators.

#### **PRICE (SRP):**

 Glowforge Plus
 Glowforge Pro

 \$3,999.00
 \$5,999.00

Glowforge 3D laser printers and engravers are an eco-friendly STEAM solution that brings computer-aided creativity to students. Perfect for bringing to life anything students can imagine with a wide variety of materials for their creations.

## (S) glowforge®



3Doodler is the world's first 3D printing pen. It is an early introduction to 3D printing, with simple and uncomplicated technology and lesson plan breakdowns to cultivate engineering and creativity.



#### **AGES: 6+**

**3Doodler Start+** Elementary & Middle**3Doodler FLOW** High School

#### **STEAM BENEFITS:**

- Establishes a foundation between imagination and engineering.
- Helps students discover their own ability to make things.
- Free lesson plans covering a variety of STEAM topics.

#### **PRICE (SRP):**

Start+ Essential	<b>FLOW Essentials</b>
Pen Set	Pen Set
\$49.99	\$79.99
Start+ Eco-Plastic	FLOW Filament
Filament	Refills
\$11.99	\$19.99



**High School** 

#### **STEAM BENEFITS:**

- Helps students discover their own ability to make things.
- Empowers student creativity, coding, and engineering.
- Professional lessons, various tutorials, and interesting projects.

#### **PRICE (SRP):**

#### M1 Desktop Laser & BladeM1 Ultra 20W PremiumCutting MachineCraft Machine

\$1,299.00

\$2,149.99

#### **F1 Ultra Laser Engraver**

\$3,999.00



xTool is the world's first desktop hybrid laser and blade cutting machine that integrates laser engraving, laser cutting, and blade cutting into one. It allows students and educators access to a super-wide range of materials.

## 

The FormBox, a 3D forming machine from Mayku, turns classrooms into a creative powerhouse, giving students a hands-on STEAM learning experience.

#### **AGES: 8+**

Middle & High School

#### **STEAM BENEFITS:**

- Mayku Teach teaching resources for grade school.
- Helps students explore basic design and manufacturing principles.
- Encourages student collaboration.

#### **PRICE (SRP):**

Mayku FormBox Vacuum Former \$699.00

#### **AGES: 12+**

Middle & High School

#### **STEAM BENEFITS:**

- Create designs from scratch or pick from thousands of predesigns with no design experience required.
- Free, easy-to-learn Design Space app to discover endless possibilities.
- Works with 50+ materials, including popular materials like vinyl, iron-on, and cardstock.

#### **PRICE (SRP):**

Cricut Joy Xtra Smart Cutting Machine \$199.00 **Cricut Maker 3** \$429.00

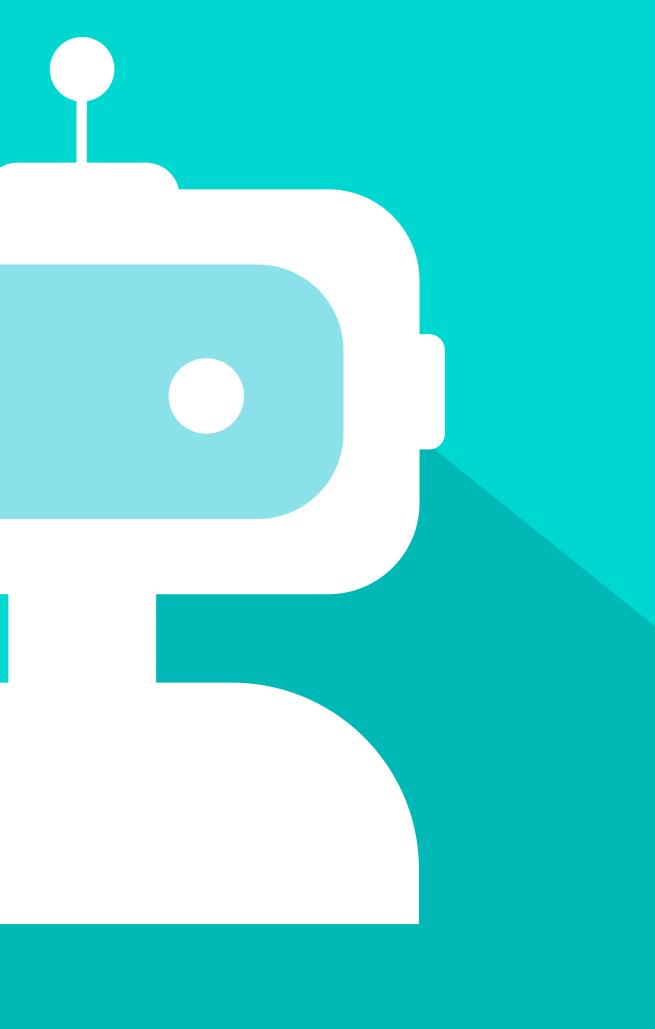
> Cricut is where creativity comes to life. Explore a range of smart cutting machines and accessories designed for home crafters. Work with an easy-to-use app to help you design and personalize almost anything — custom cards, unique apparel, everyday items, and so much more.

## **cricut**<sub>®</sub>

#### **ROBOTICS + AI**

(artificial intelligence)

Provides a multi-sensory and experiential learning experience that can also help students understand how technology can be used to solve real-world problems.



#### **AGES: 11+**

RoboMaster EP Core Middle School, 11+ **Boost Combo** High School, 14+

#### **STEAM BENEFITS:**

- Al and programming projects for students of all ages and experience levels.
- Included interactive curriculum to learn how to code while applying math and physics.
- Education and entertainment engage students and encourage collaboration.

#### **PRICE (SRP):**

**DJI Mini 3 Pro** \$669.00

**RoboMaster EP Core** \$899.99



S. S. Mary



DJI makes drones for aerial photography and videography. They also manufacture the RoboMaster to take learning to the next level and enhance coding and programming skills.



## **Robots**

Otto is the first modular robot with simple coding. Take students through 3D printing, building, and programming to build and understand the basics of electronics, engineering, and coding.

STEAM Sales Guide | Robotics + Al

#### **AGES: 8+**

Middle School

#### **STEAM BENEFITS:**

- Teacher-developed STEAM resources with lesson plans, activities, and programs.
- 3 programming modes that adapt with learning, going from a controller app to block-based programing to Python or C++.
- Boost functionality and expand learning with additional accessories to adapt Otto to its surroundings.

#### PRICE (SRP):

HP Otto Starter Creator Kit

\$129.95

HP Otto Starter Builder Kit

\$149.95

#### **AGES: 4+**

**Elementary School** 

#### **STEAM BENEFITS:**

- Fast and easy way to build robots with a bunch of smaller robots, growing more challenging and complex as students grow.
- Free standards-aligned lesson plans, printable activity cards, online professional development, and more.
- Designed to help students build problem-solving and cognitive skills with hands-on and screenless learning.

#### **PRICE (SRP):**

**Bluetooth Hat** \$43.00

**Clever Constructors** Pack \$2,899.00

**Motivated Makers** Pack \$2,029.00

**Intrepid Inventors Pack** \$5,779.00

With Modular Robotics, combine 17 unique kinds of **Cubelets in different ways to create countless robot** constructions to teach important skills like engineering, collaboration, computational thinking, and more.

## **Modular Robotics**

## makeblock

Makeblock is a global leading STEAM education solution provider. They make robots and kits to engage students in coding while driving STEAM learning.

#### **AGES: 6+**

Codey Rocky Elementary School, 6+ mBot-s Middle School, 8+ Ranger Middle School, 12+ Ultimate 2.0 High School, 15+

#### **STEAM BENEFITS:**

- Empowers teachers with a continuum of solutions to make computer science and STEAM education engaging and accessible to all.
- Entry-level coding class to learn block-based and python programming.
- Interactive technology that inspires imagination in creative programming scenarios.

#### **PRICE (SRP):**

Codey Rocky
\$129.99
Ultimate 2.0
\$399.99

#### **AGES: 14+**

Middle & High School

#### **STEAM BENEFITS:**

- Uses building and playing to learn how AI and robots work, introducing students to how robotics can be.
- Increases student involvement with graphical programming that allows block programming to easily enable AI functionalities.
- Includes experiment manuals with robotic curriculum that supports project-based learning.

#### **PRICE (SRP):**

**DOBOT Magician Robot Arm** \$1,690.00

> Dobot is the leading manufacturer of collaborative robots that are user-friendly with great preformance. Students can interact with the Magician Lite using software, hardware, and expansion interfaces to maximize their creative freedom.

## DOBOT

DOBOT Magician

# workshop

Designed for learning and fun, Wonder Workshop uses apps and robots to encourage hands-on play and make problem-solving tangible. With Dash Robot, students have the tools they need to build coding and tactical skills.

STEAM Sales Guide | Robotics + Al

#### **AGES: 6+**

**Elementary School & Above** 

#### **STEAM BENEFITS:**

- Coding and robotics content and curriculum for classrooms, teachers, and homeschool.
- Virtual coding becomes tangible learning experiences in real time.
- Supports self-guided exploration of programming languages, robotic capabilities, and meaningful projects.

#### **PRICE (SRP):**

Dash Robot \$179.99 **Dash Wonder Pack** \$269.99 **AGES: 9+** 

Middle & High School

#### **STEAM BENEFITS:**

- Complete Computer Science curriculum to teach real-world Python coding skills.
- Step-by-step guided lessons in CodeSpace to learn the fundamentals of coding.
- Perfect introduction to Python, starting with basic concepts such as sensors, displays, LEDs, and more.

#### **PRICE (SRP):**

Firia Labs CodeX with Python Kit \$199.00

Firia Labs CodeBot with Python Kit \$199.00 **Firia Labs Mission Pack: Lift-Off! Peripherals Kit** \$199.00

Firia Labs CodeAIR Fly with Python Kit \$299.00 PREORDER

> Firia Labs creates innovative Robotics and STEAM-based kits integrated with educational software and curricula. Firia Labs was born out of the passion and commitment to ensure that all students have access to real world computer programming learning opportunities.

### FRALABS

#### SoftBank Robotics

SoftBank Robotics are the leading robot integrators creating value in robotics globally and robotic solutions. Nao is an autonomous, programmable humanoid robot for all ages.

#### AGES: K-14+

Elementary School & Above

#### **STEAM BENEFITS:**

- A programmable, personal teaching assistant helps teachers bring lessons to life, offer extra support, and keep students engaged.
- Conduct interactive experiments, collect data, and help researchers test new theories and find new answers.
- Hands-on projects that encourage participation, collaboration, and creative problem-solving.

#### **PRICE (SRP):**

**NAO** \$12,990.00

#### **AGES: 5+**

**Elementary School** 

#### **STEAM BENEFITS:**

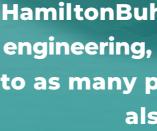
- Interactive learning targeting engineering, math, programming, and general science concepts and skills.
- Software applications to make programming fun and easy to learn.
- Cultivates imagination and innovativeness without expensive tools and excessive investment.

#### **PRICE (SRP):**

**HamiltonBuhl Edison Robot Expansion Construction Kit** 

\$41.01

HamiltonBuhl Edison Educational **Robot Kit** \$76.91



## CH3 Hamilton Buhl®

HamiltonBuhl Edison strives to make electronics, engineering, robotics, and programming accessible to as many people as possible. The Edison Robot also has Lego<sup>®</sup> compatibility.

## kais education

Kai's Education designs educational coding robots, creating a rich and engaging way to teach and learn coding from an early age. Kai offers a hybrid learning environment with screen-free coding, virtual programming, or both for interactive play.

#### AGES: K-5+

KaiBot Hybrid Robot Pre-school Kai's Clan Start Pack Elementary School

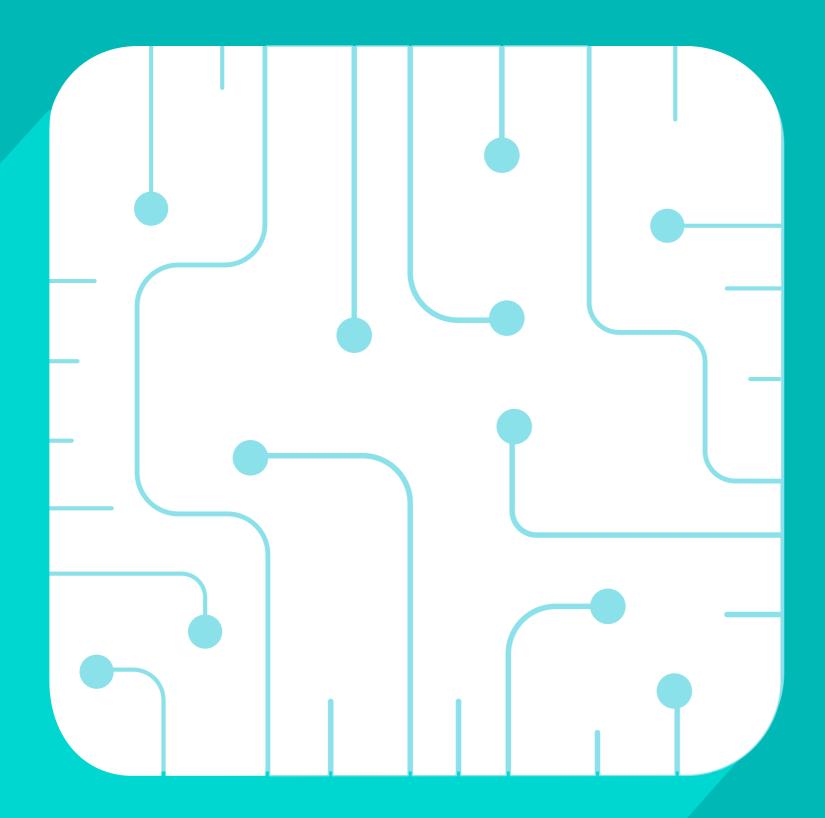
#### **STEAM BENEFITS:**

- Lesson plans structured around real-world problem-solving on different physical and AR/ VR mats.
- Collaborative coding where students work together and engage.
- Effective learning for the classroom, online, or homeschooling environments.

#### **PRICE (SRP):**

KaiBot Intro Pack \$190.00

**Kai's Clan Start Pack (4)** \$995.00



#### CODING + COMPUTER SCIENCE

This area of study teaches students the process of writing out steps for a computer to follow to achieve a goal or perform a task. Coding makes it possible to create computer software, games, apps, and websites while teaching digital literacy, problem solving, and computational thinking.

#### **AGES: 4+**

**Elementary School** 

#### **STEAM BENEFITS:**

- Fast and easy way to build robots with a bunch of smaller robots, growing more challenging and complex as students grow.
- Free Cubelets apps help change how any Cubelet behaves with data logger, personality swap, blocky coding, and C coding to become more challenging.
- Free standards-aligned lesson plans, printable activity cards, online professional development, and more.

#### **PRICE (SRP):**

**Bluetooth Hat** \$43.00

**Clever Constructors Pack** \$2,899.00 Motivated Makers Pack \$2,029.00

**Intrepid Inventors Pack** \$5,779.00

## Modular Robotics

Expand Modular Robotics Cubelets<sup>®</sup> with a Bluetooth Hat to teach young students progressive coding by learning data values, swapping personalities, and coding new behaviors.



Otto is the first modular robot with simple coding and equipped educational tools to help develop students' STEAM skills in 4 simple steps.

STEWART STEAM Sales Guide | Coding + Computer Science

#### **AGES: 8+**

Middle School

#### **STEAM BENEFITS:**

- Teacher-developed STEAM resources with lesson plans, activities, and curriculum.
- 3 programming modes that adapt with learners from a controller app to blockbased programing to Python or C++.
- Helps students to learn problem-solving skills, design skills, engineering skills, and programming skills.

#### **PRICE (SRP):**

HP Otto Starter Creator Kit

\$129.95

HP Otto Starter Builder Kit

\$149.95

#### **AGES: 8+**

Middle & High School

#### **STEAM BENEFITS:**

- Progressive coding from Blockly to Raspberry Pi.
- Standards-aligned resources with lesson plans, assessments, hand-outs, and more.
- Engaging self-guided missions and tutorials with multiple ways to extend the Piper experience.

#### **PRICE (SRP):**

<b>Piper Make Starter Kit</b>	<b>Piper Make Base Station</b>
\$49.00	\$99.00
<b>Piper Make Walker</b>	<b>Piper Computer Kit V4B</b>
\$69.00	\$399.00
Piper Make Rover	

Piper blends physical building with virtual play to inspire the inventors of tomorrow. Students learn coding, engineering, and computational thinking while developing skills to be confident and solve problems with technology.

Piper make kover \$69.00

STEAM Sales Guide | Coding + Computer Science

#### R P

P

## workshop

Wonder Workshop uses apps and robots to help children learn coding through hands-on play and guided challenges. Using Dash Robot, children can learn coding concepts like sequencing, events, loops, algorithms, operations, and variables in real time.

#### AGES: 5 - 14

Elementary & Middle School

#### **STEAM BENEFITS:**

- Free apps available with challenges and an open-ended learning platform that makes tech knowledge engaging and accessible.
- Blocky coding introduces fundamentals of computer science and advanced coding concepts through playful missions and puzzles.
- Supports self-guided exploration of programming languages, robotic capabilities, and meaningful projects.

#### **PRICE (SRP):**

**Dash Robot** \$179.99

#### **AGES: 3+**

**Pre-school** 

#### **STEAM BENEFITS:**

- Designed to help children play collaboratively, irrespective of reading ability or language.
- 2 years of cross-curricular lessons plans available designed to align with standards.
- Let's you teach coding without screens, increasing engagement and enhancing learning.

#### **PRICE (SRP):**

Primo Toys Cubetto Direction Blocks

\$29.90

#### Primo Toys Cubetto Logic Blocks

\$29.90

#### Primo Toys Cubetto Wooden Robot \$229.00

Teach yo programmin Cubetto is a scre helps children ta

Teach young children the basics of computer programming through adventure and hands-on play. Cubetto is a screenless, friendly, and ready-to-play robot that helps children take their first steps into the world of coding.

## PRIMO

## kais education

The KaiBot is the worlds first hybrid coding robot for kids, designed to create a rich and engaging learning environment. KaiBot combines unplugged coding with coding cards for young learners to acquire coding skills.

STEWARTco STEAM Sales Guide | Coding + Computer Science

#### **AGES: 3+**

Pre-school & Above

#### **STEAM BENEFITS:**

- Allows students to learn basics in progression through coding cards, included lessons, and activities.
- Hybrid mode by using coding cards, Blocky, or Python to solve challenges and watch both physical and virtual KaiBot act out code instructions.
- Create, build, and design new challenges and mazes to keep students engaged.

#### **PRICE (SRP):**

KaiBot Intro Pack \$155.50

#### **AGES: 3+**

Coding Set: Elementary+ Tale-Bot Pro: Pre-school VinciBot: Middle School+

#### **STEAM BENEFITS:**

- Easy-to-use coding blocks designed for kids to express their creativity and turn their coding commands into fun, tangible learning experiences.
- Perfect for teaching commands, sequences, and loops-making learning an engaging experience.
- Encourages learning by doing, letting children be imaginative while developing computational, design, and engineering thinking, increasing engagement and enhancing learning.

#### **PRICE (SRP):**

#### **Tale-Bot Pro Robot**

\$89.90

\$99.90

VinciBot

**Coding Set** \$169.90

Matata Studio produces high quality, affordable STEM products to aid children's education. With Matatalab coding robots, kids can create simple programs with tangible coding blocks to control robots and complete various challenges.

# mototo Studio from matatalab

#### CH3 Hamilton Buhl

HamiltonBuhl is a leader in the design and manufacturing of electronics and presentation equipment for education. Edison is a robust educational robot designed to bring coding to life for students.

<sup>#DOUGLAS</sup> STEAM Sales Guide | Coding + Computer Science



#### Kindergarten+

#### **STEAM BENEFITS:**

- These LEGO<sup>®</sup> compatible and easily expandable educational robots are clean, safe, reusable, expandable, and robust, providing students an opportunity to experiment and grow their knowledge.
- Progressive coding learning from visual to text based.
- Helps students explore their imagination, cultivate their innovativeness, and have fun without expensive tools and excessive investment.

#### **PRICE (SRP):**

Edison Educational Robot Kit \$76.91

#### Edison Educational Robot Kit (in bulk)

2pk: \$153.83 3pk: \$230.75 10pk: \$769.21 20pk: \$1,538.44



#### **STEAM BENEFITS:**

- Complete Computer Science curriculum to teach realworld Python coding skills.
- Empowers learners with professional debugging tools.
- Features engaging projects that inspire mastery in both physical and virtual environments.

#### **PRICE (SRP):**

Firia Labs CodeX with Python Kit \$199.00

Firia Labs CodeBot

with Python Kit

\$199.00

**Firia Labs Mission Pack: Lift-Off! Peripherals Kit** \$199.00

#### Firia Labs CodeAIR Fly with Python Kit

\$299.00 **preorder** 

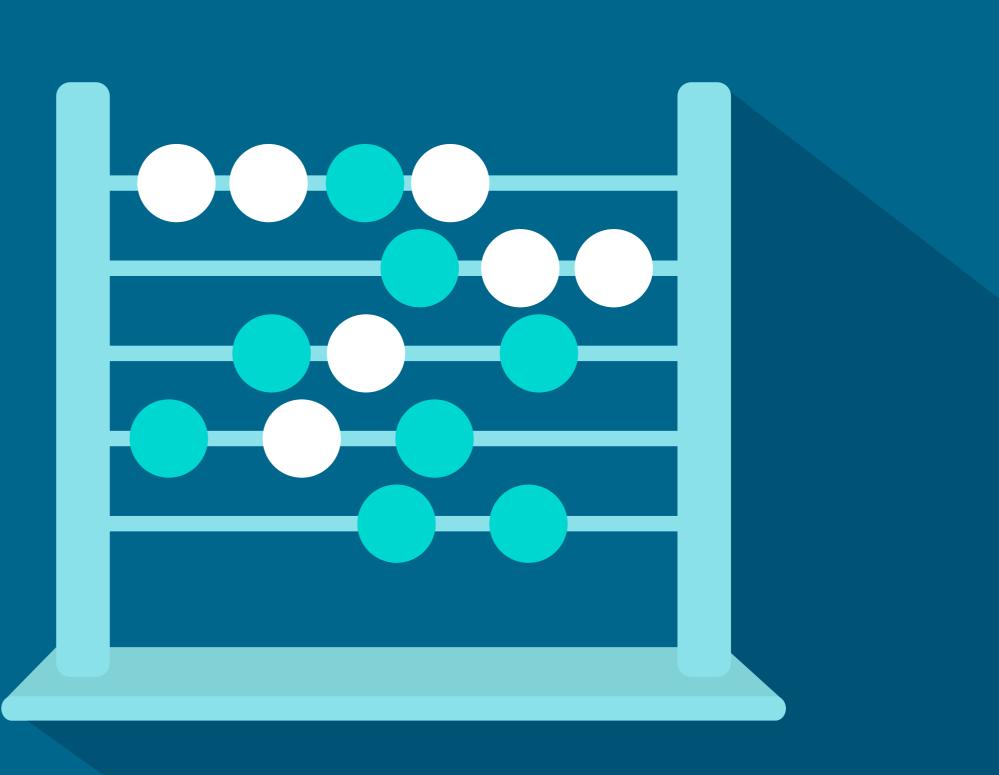


## ERA LABS

Firia Labs makes robotics and STEAM-based kits with educational software and tools that teach Python coding. They are focused on providing products, training, and curriculum for educators and students of computer science.

#### MAKERSPACES + MAKER KITS

A makerspace is a collaborative workspace that uses both high-tech and no-tech tools for students to create, build, learn, explore, share, problem solve, and develop skills by guided learning-through-play activities.



Source: Campbell University

#### **AGES: 8+**

Middle & High School

#### **STEAM BENEFITS:**

- Progressive coding from Blockly to Raspberry Pi.
- Standards-aligned resources with lesson plans, assessments, hand-outs, and more.
- Engaging self-guided missions and tutorials with multiple ways to extend the Piper experience.

#### **PRICE (SRP):**

Piper Make Starter Kit	<b>Piper Make Base Station</b>
\$49.00	\$99.00
Piper Make Rover	Piper Computer Kit V4B



## PIPER

Explore hands-on learning with Piper's blend of physical building and virtual storytelling to inspire the next generation of innovators. With detailed blueprints, students have everything they need to construct computers to robots.

## makeblock

MakeBlock is a global leading STEAM education solution provider. They make robots and kits to engage students in coding while driving STEAM learning.



Middle & High School

#### **STEAM BENEFITS:**

- Learn robotics, electronics, and programming in an engaging way while cultivating collaboration, creativity, and problem-solving skills.
- Step-by-step learning modules from block-based coding to python coding.
- MakeBlock Education provides STEAM training for educators.

#### PRICE (SRP):

#### MakeBlock mBot-S Explorer Kits

\$89.00

MakeBlock mBot2 \$149.99 MakeBlock mBot Ranger Robot Kit

\$169.99

MakeBlock Ultimate 2.0 – 10-in-1 Robot Kit \$399.99

#### **AGES: 8+**

**Middle School** 

#### **STEAM BENEFITS:**

- Free classes and resources for teachers.
- Cultivates coding skills and imagination with hands-on play.
- Collaborative learning that fosters teamwork, problem solving, and multi-model learning.

#### **PRICE (SRP):**

Makey Makey Classic EDU

\$49.95

Makey Makey Backpack Bundle

\$44.45

Makey Makey Code-a-Key Backpack

\$24.95

Makey Makey Classroom Invention Literacy Kit

\$699.95

Makey Makey Get Up + Go! Booster Kit

\$19.95

Makey Makey Craft + Code Booster Kit

\$19.95

Make 21st cer

## Makey Makey®

Makey Makey is an invention kit for the 21st century. Craft your own controllers with everyday materials and learn to code through games.

# 

Makedo is a simple-to-use, open-ended system of tools for creative cardboard construction. Build imaginative and useful creations from upcycled cardboard.

#### **AGES: 5+**

Sng

**Elementary School** 

#### **STEAM BENEFITS:**

- Students learn problem-solving through imaginative play and collaboration.
- Keep students engaged and foster communication skills.
- Builds 21st century thinking skills through immersive play.

## PRICE (SRP):

Makedo STARTER	Makedo DISCOVER	
\$9.00	\$45.00	
Makedo EXPLORE	Makedo INVENT	
\$22.50	\$170.00	

#### **AGES: 4+**

**Elementary School** 

#### **STEAM BENEFITS:**

- Fast and easy way to build robots with a bunch of smaller robots, growing more challenging and complex as students grow.
- Combines 17 unique kinds of Cubelets in different ways to create countless robot constructions without the need for a computer.
- Free standards-aligned lesson plans, printable activity cards, online professional development, and more.

#### **PRICE (SRP):**

Clever Constructors Pack \$2,899.00

Intrepid Inventors Pack \$5,779.00

Motivated Makers Pack \$2,029.00

# Modular Robotics

Modular Robotics Cubelets® are pre-programmed magnetic blocks that snap together to make an endless variety of robot constructions to teach young learners collaboration, engineering, design, and computational thinking skills.

# PlayShifu

Shifu creates an innovative and immersive learning experience during playtime by bringing board games and mobile devices together through Augmented Reality.

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#### AGES: 4 - 10

**Elementary School** 

#### **STEAM BENEFITS:**

- Teaching essential skills such as math, English, building, and art.
- Develop soft skills like critical thinking, communication, and problem solving.
- Engage students with hands-on play and solve STEAM puzzles.

#### **PRICE (SRP):**

#### Shifu Plugo STEM Wiz Pack

\$109.99

#### AGES: 12+

Middle & High School

#### **STEAM BENEFITS:**

- Equipped to handle most DIY projects precisely and expertly, from vinyl for decals to iron-on decor projects to cardstock masterpieces.
- Free, easy-to-use app with hundreds of premade designs for any learning level.
- Promotes student engagement and creativity with hands on activities.

#### **PRICE (SRP):**

**Cricut Basic Tool Set** 

\$26.99

Cricut EasyPress 3 \$199.00

> Cricut makes smart cutting machines that work with an easy-to-use app, an ever-growing collection of materials, and crafting essentials to help you design and personalize almost anything — custom cards, unique apparel, everyday items, and so much more.

CREUE

# DEXTER 1 N D U S T R I E S

Dexter Industries builds robot kits that help people learn how to program. These kits help children build, understand, and experiment with robotics.



**High School** 

#### **STEAM BENEFITS:**

- Free projects, lesson plans, and curriculum available on website.
- Hands-on kits that help students connect, program, and control sensors to build their own smart devices.
- Keeps students engaged while learning to code.

#### **PRICE (SRP):**

#### Dexter Industries Project Pack 1

\$139.00

#### Dexter Industries Project Pack 2

\$139.00

#### Dexter Industries Python Project Pack

\$155.00

#### Dexter Industries Mars Project Pack

\$168.00

#### Dexter Industries Education Project Pack

\$286.00

#### **AGES: 4 - 12**

**Elementary & Middle School** 

#### **STEAM BENEFITS:**

- Free Piximakey app as your digital toolkit.
- Combines physical and digital experience to involve students and improve imagination skills.
- Develops learning, literacy, and life skills such as collaboration, critical thinking, social skills, productivity, innovation, and more.

### **PRICE (SRP):**

#### **Piximakey Stop Motion Studio Education Edition** \$195.95



Piximakey was developed as a tool for creating and sharing animated films, bringing everyday objects and toys to life. Bridge play and 21st century learning to unleash the power of creativity.





3Doodler FLOW

3Doodler is the world's first 3D printing pen. From articulated hands to working rollercoasters, students can create STEAM innovation inside the classroom with the 3Doodler Start+ or FLOW pen.

#### AGES: 14+

**High School** 

### **STEAM BENEFITS:**

- Encourages creativity and innovation through hands-on experiences.
- Brings STEAM ideas and concepts to life.
- No complicated software or hardware learning curve.

### **PRICE (SRP):**

#### **3Doodler FLOW Essentials Pen Set**

\$79.99



# VR / AR / XR / MR

(virtual reality / augmented reality / extended reality / mixed reality)

Creates a non-linear learning environment that offers better engagement, endless creativity, and an immersive connection to the curriculum.

# CURSCOPE

XII

Inspiring curious kids to develop a love for science, Curiscope uses Augmented Reality to experience the world in ways never seen before. Using real life objects, such as posters and t-shirts, Curiscope immerses students in an engaging and accessible way.

STEAM Sales Guide | VR / AR / XR / MR

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#### **AGES: 8+**

**MIddle School** 

#### **STEAM BENEFITS:**

- Experience science curriculum in a 3D learning environment.
- Full immersive 360° videos.
- Using their free app (iOS and Android) along with their interactive products, students can learn about the human body and solar system in an immersive and friendly way.

## **PRICE (SRP):**

**Curiscope Multiverse** Interactive Poster Curiscope T-Shirt

\$29.95-\$31.95

\$24.95-\$44.95

#### **AGES: 13+**

Middle & High School

#### **STEAM BENEFITS:**

- High quality, curated, and tailored content included, with additional teacher resources to aid in professional development.
- 360-degree photos and high-definition resolution to bring reality to students.
- Classroom management through personalized playlists, offline teaching, and progress tracking.

#### **PRICE (SRP):**

#### **Expeditions VR Kits**

\$5,990+

STEWARTCO STEAM Sales Guide | VR / AR / XR / MR

RobotLAB is the largest award-winning leading robotics integrator, manufacturing robotics and virtual reality products for K-12 education. Bring your classroom to life with the Expedition VR Kit, transporting students to learn all around the world.

# RobotLAB



Inspire children with interactive learning toys that builds on fundamental skills. PlayShifu makes AR-based STEAM toys and educational games for children.

STEWART STEAM Sales Guide | VR / AR / XR / MR

EADPHONES

#### **AGES: 5+**

**Elementary School** 

## **STEAM BENEFITS:**

- Engage students of all ages in complex STEAM concepts
- Teaching essential skills such as critical thinking, Math, Science, and Art with hands-on activities like real-time feedback.
- Develop soft skills like critical thinking, communication, and problem solving.

#### **PRICE (SRP):**

Orboot	Plugo	<b>Starter Pack</b>
\$54.99	\$59.99	\$280.00

#### **AGES: 5+**

Kai's Clan Start Pack Elementary School **AR-VR Adventure Mats** Middle School

#### **STEAM BENEFITS:**

- Free setup and professional development training with Kai-certified teachers.
- Student engagement and collaboration comes together to solve real-world coding problems.
- Preparing children for the future through AR, VR, Minecraft, Tinkercard, and much more.

#### **PRICE (SRP):**

Kai's Clan Start Pack (4) \$995.00

**AR-VR Adventure Mats** \$495.00-\$595.00

Kai's Clan is where student learning and engagement become one. A collaborative coding environment encompassing an all-in-one platform of robotics, Artificial Reality, Virtual Reality, and the Internet of Things (IoT).

# kais education

The Tovertafel is an award-winning serious games system for dementia and intellectual disability care that stimulates people with a cognitive challenge in physical activity and social interaction. Whether it's stimulating social-emotional learning or increasing alertness and focus, play is the ultimate solution for children with special needs.



Preschool & above

## **STEAM BENEFITS:**

- The Tovertafel helps teachers in special education promote an inclusive classroom in which everyone can participate.
- Promotes social-emotional learning in a safe environment while stimulating executive skills.
- The colorful, interactive projections keep children engaged, so professionals can take the time to practice new types of behavior in a safe setting.

## PRICE (SRP):

**Tover Tovertafel 2 Interactive Projector System** \$10,200.00

#### AGES: 14+

**High School** 

#### **STEAM BENEFITS:**

- Free downloadable lesson plans included.
- Game-building platform promoting imagination, history, and creation while developing present-day skills.
- Promotes student collaboration inside class or with students from other countries.

## **PRICE (SRP):**

HamiltonBuhl STEM VR and High Tech Kit for Social Emotional Learning (SEL)

\$1,855.29

HamiltonBuhl is a leader in the design and manufacture of electronics and presentation equipment for education. Through their Social Emotional Learning, students can acquire and apply the knowledge, skills, and attitudes to develop healthy identities, manage emotions, and make responsible and caring decisions.

# 3 Hamilton Buhl®

## PROFESSIONAL DEVELOPMENT

Professional development (PD) provides a way for educators to deepen or expand their skills and knowledge of a certain subject, allowing teachers to grow as educators.



#### **AGES: All**

**Teachers & Professionals** 

#### **STEAM BENEFITS:**

- Provides a broader understanding of how coding and robotics fit into everyday teaching.
- 15-hour professional learning online course that fits syllabus criteria needs.
- Free Webinars, blog posts, and extra videos for ways to weave computational thinking and creative problem solving into your everyday instructional practices.

#### **PRICE (SRP):**

Wonder Workshop PD Bundle: Intro to Coding and Robotics with Dash & Dot \$380.00

> Helping children learn how to code through robotics, Wonder Workshop boosts STEAM skills with interactive challenges. The latest professional learning resource is designed to help teachers master the ever-changing world of technology alongside students.

# workshop



# CURRICULUM

STEAM curriculum includes the lessons and assessments for the core areas of science, technology, engineering, arts, and math. This instruction enables educators to foster students' proficiency in the content and build their applied learning skills.

#### **AGES: 4+**

**Elementary School** 

### **STEAM BENEFITS:**

- Helps teach important problem-solving skills like collaboration, engineering, design, and computational thinking.
- Free standards-aligned lesson plans and activities.
- Free app that helps you craft with code and do more with cublelets.

#### **PRICE (SRP):**

#### **Cubelets Lesson Plan Bundle: Launchpad Edition**

Pre K - K \$199.99	Grades 1 - 3 \$199.99
Grade 4 - 6 \$199.99	Grade 7 - 12 \$199.99
Grade K - 12 \$640.00	

Modular Robotics makes robot construction kits made of modular magnetic blocks that can be assembled to create small self-powered robots.

# Modular Robotics

# workshop

Wonder Workshop are award-winning robot creators with age-appropriate apps to encourage hands-on play and learning to make creative problem-solving concrete and tangible.

### AGES: K - 5

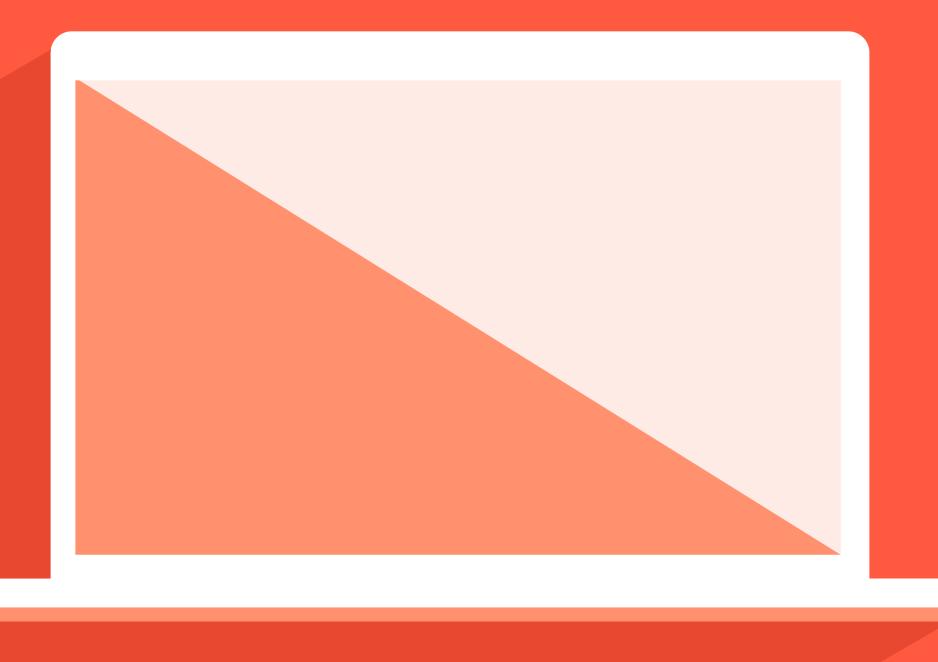
**Elementary School** 

### **STEAM BENEFITS:**

- Children learn coding concepts like sequencing, events, loops, algorithms, operations, and variables through self-directed play and guided challenges.
- Access to a Virtual Dash robot that is programmable onscreen, accounts in the programming app, in-app coding lessons, and tons of assignable and trackable activities.
- Bundles include accessory parts to open more curriculum and lesson plans, bringing more engagement and games to students.

### **PRICE (SRP):**

**Wonder Workshop Curriculum Packs** \$395.00 - \$9,925.00



# DEVICES

Technology, such as computers and laptops, create high-quality learning experiences that foster students' innovation, creativity, communication, and collaboration.

# UJZOM ®

Wacom makes the world a more creative place with tools for artists and students. Wacom offers an experience designed to enhance every creative breakthrough with pens and tablets.

STEAM Sales Guide | Devices 



**Students & Teachers** 

### **STEAM BENEFITS:**

- Encourages students to explore, experiment, and express their creativity.
- Train students on the tools that today's studios, agencies, and creative professionals rely on.
- Replaces traditional classroom whiteboards for real-time annotating, grading, and teaching.

#### **PRICE (SRP):**

**Cintig Pro 24 EDU** Wacom One by Wacom, Small EDU \$2,199.95 \$39.95 **Intuos Pro Pen &** \$2,699.95 **Touch Tablet** \$379.95

**Cintiq 22 Medium** 

**Creative Pen Display EDU** 

\$1,299.95

**Cintig Pro 24 Touch** 

#### **AGES: All**

Professionals

#### **STEAM BENEFITS:**

- Provides mass automation for Chromebook enrollment, configuration, and other processes.
- Eliminates manual entry of settings, account details, WI-FI credentials, and entry errors.
- Cost savings where commercial white glove enrollment services are replaced.

#### **PRICE (SRP):**

**Go-Box Chrome** \$1,499.00

**Go-Box Multi-Domain** \$1,999.00

> Go-Box Chrome is the best and easiest solution for automating enrollment and configuration processes on large quantities of Chromebooks.



# ANDREA COMMUNICATIONS

Andrea Communications is a leading developer and supplier of headsets, headphones, microphones, USB adapters, and wireless products, providing students with unbeatable clarity and performance.

STEAM Sales Guide | Devices



#### **Elementary School & Above**

#### **STEAM BENEFITS:**

- Easy to wear and clean with adjustable headbands for comfort and fit.
- Delivers crystal clear audio to keep students focused and engaged.
- Used for a variety of learning such as classroom learning, computer labs, speech training software, and more.

#### **PRICE (SRP):**

#### EDU-175 On-Ear Stereo Headphones

\$14.95

#### WNC-2100 On-Ear Noise Canceling Wireless Bluetooth Mono Headset

#### EDU-255M On-Ear Stereo Mobile Headset

\$19.95

#### EDU-455 USB Over-Ear (Circumaural) Stereo Headset

\$44.95

\$99.95

#### AGES: K - 12

**Elementary School & Above** 

#### **STEAM BENEFITS:**

- Ambient noise cancellation and quality audio translate directly to increased attention, greater focus, and engagement.
- Mindful, innovative, and accessible solutions that facilitate learning and growth for everyone.
- Provides opportunities for all to have essential tools they need for their learning journey.

#### **PRICE (SRP):**

Avid Products AE-35 On-Ear Headphones \$10.95 Avid Products AE-55 Headset \$15.95

Avid Products AE-36 On-Ear Headphones with Boom Mic

\$13.95

Innovative audio solutions for every step of the learning journey. AVID product solutions are designed with the life-long learner in mind.

STEWARTco STEAM Sales Guide | Devices

# ADESSO®

Adesso designs and manufacturers computer peripherals and mobile accessories, including keyboards, mice, webcams, headsets, speakers, and more.



**Elementary School & Above** 

#### **STEAM BENEFITS:**

- Provides Esports essentials for students and gamers to be immersed in their experience while training in today's professional environment.
- Connects and expands collaboration in classrooms by bringing reliable sound, picture, comfort, and style.
- Easy-to-use, budget-friendly solutions to fit into all classroom needs.

#### **PRICE (SRP):**

Adesso Wireless Mini Mouse

\$14.99

Adesso 1080P HD USB Webcam with Built-in Microphone

\$49.99

Adesso Antimicrobial Wireless Desktop Keyboard & Mouse \$29.99

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#### AGES: All

K-12, Teachers, & Professionals

#### **STEAM BENEFITS:**

- Has durable DropTech technology, making products Tumbleproof, Goofproof, and KidProof.
- Transparent backs for scanning with a quick installation process.
- Works in most charging carts and is great for take-home device programs.

#### **PRICE (SRP):**

**Kids Friendly Shockproof Handle Stand iPad Case** \$35.99

#### ShockProof Hardshell Chromebook Case

\$49.99

**Hinge Protection LightRugged MacBook Case & Keyboard Cover** \$39.99

ShockProof Hardshell Microsoft Surface Laptop \$49.99

> TechProtectus is a design expert of premium protective cases and accessories for iPads, Chromebooks, MacBooks, laptops, and tablets. Whether a student, educator, or professional, TechProtectus provides robust protection, sleek designs, and functionality that aligns with every need.

STEAM Sales Guide | Devices

# Tech Protect



TWT Audio is a developer of high-quality, value-driven headphones and headsets. They are a budget-friendly audio solution created by educators for education and Esports.

STEAM Sales Guide | Devices



#### **Elementary School & Above**

#### **STEAM BENEFITS:**

- Designed by educators, headphones are built with durability, comfort, and outstanding sound quality.
- Built for safe long listening sessions, headsets reduce listening fatigue so students can focus with lasting comfort and minimal distractions.
- Headsets and headphones for a variety of uses including listening to or creating music, animation voiceovers, collaborative audio projects, and more.

#### **PRICE (SRP):**

TWT Audio TW50 LITE Headphone

\$11.99

TWT Audio TW210 DURO Headset

\$31.99

TWT Audio TW200 DURO Headphone

\$22.99

## COLLABORATION

(collaboration furniture / software / organizational storage)

Collaborative solutions allow students to work together towards a common goal and help each other learn concepts through peer-to-peer interaction.



IPEVO is a document camera company that designs simple, affordable, and powerful

designs simple, affordable, and powerful teaching tools that bring back precious time and resources to the classroom.

#### **AGES: All**

**Students & Teachers** 

### **STEAM BENEFITS:**

- Enhances interactivity and collaboration in all learning environments.
- Use as an assistive teach tool for students with emotional/learning disabilities, sensory issues, low-vision, or students with ADHD.
- Display materials for group learning with auto-focus and zoom functions.

#### **PRICE (SRP):**

IPEVO V4K	IPEVO VZ-R
\$99.00	\$239.00
IPEVO VOCAL	<b>IPEVO TOTEM 180</b>
\$249	\$289.00
IPEVO TOTEM 120	IPEVO TOTEM 360
\$199.00	\$699.00

#### **AGES: All**

**Students & Teachers** 

#### **STEAM BENEFITS:**

- Supports small group learning when a resource hub is needed away from main learning space.
- Promotes peer-to-peer learning, helping to maximize student progress.
- Boost subject-based learning by storing resources in the trays underneath the workspace.

### PRICE (SRP):

**Gratnells MakerSpace Carts** \$1,787.33

# Gratnells

Gratnells is the world's leading customizable cart and tray storage solutions for heavy educational use. Gratnells trays are perfect for storing STEAM items, makerspace items, games, classroom, library supplies, and more.

# SPECTRUM INDUSTRIES INC.

Spectrum Industries is the premier manufacturer of furnishing products, designing furniture for esports arenas, social-distanced active learning, and classrooms.



#### **Students & Teachers**

#### **STEAM BENEFITS:**

- Creates endless, comfortable, and inspiring spaces to maximize engagement.
- Customizable durable teaching spaces to promote student collaboration and interactive communication.
- Perfect for individual study or group discussion, and a great solution to promote social distancing in common areas.

#### **PRICE (SRP):**

#### Spectrum InVision Active Learning Pod System

Pedestal Riser \$952.00	Table \$1,066.00	Center Pedestal \$1,444.00
Spectrum BLENDER Furniture		
Hexagon	Trapezoid	Wave Soft
Ottoman	Ottoman	Seating G2
\$1,616.00	\$1,640.00	\$1,976.00

#### **AGES: 5+**

#### **Elementary School & Above**

#### **STEAM BENEFITS:**

- Durable and sleek headphones are versatile and compatible with a wide variety of technologies.
- Personalize listening levels while increasing collaboration and communication with students.
- Locking carrying case to protect headphones and keep ready to use.

#### **PRICE (SRP):**

AudioMVP Bluetooth®-CD-FM Listening Center, 6 Station

\$397.38

**6 Person CD-MP3 Listening Center with Deluxe Headphones** \$410.31

> HamiltonBuhl is a leader in the design and manufacturing of electronics and presentation equipment for education and industry-producing products that help achieve higher performance learning.

# Buhl®

# BY POWER TECHNOLOGIES

Anywhere Cart produces world-class secure charging carts and cabinets for Chromebooks, iPads, Kindle & Surface Pro Tablets, Laptops, and more devices for schools, keeping them ready to perform.

1

#### **AGES: All**

**Students & Teachers** 

### **STEAM BENEFITS:**

- Designed to charge, secure, and transport Chromebooks, laptops, or tablets.
- Integrated cable management for organization, less mess, and easy set-up.
- Provides versatile, configurable, and durable designs by professionals.

### **PRICE (SRP):**

**Anywhere Cart AC-Lite** \$1,545.00 Anywhere Cart AC-SLIM \$2,318.00

Anywhere Cart AC-PLUS T

\$1,922.00

Anywhere Cart AC-LOCKER-24-RFID

\$4,029.00

#### AGES: All

**Students & Teachers** 

#### **STEAM BENEFITS:**

- Fixed-focus feature to project real-time images of 3D objects, magazines, books, documents, and more.
- Software suite allows the user to control many features including video format, image and document file format, capture area, and even scanning of single or multiple pages and images.
- Connects teachers to students to help focus, engagement, and collaboration.

#### **PRICE (SRP):**

Adesso 4K Ultra HD Manual Focus Webcam \$89.99

Adesso 5 Megapixel Fixed-Focus Document Camera \$149.99 Adesso 8 Megapixel Fixed-Focus Document Camera

\$199.99

Adesso designs and manufactures computer peripherals and mobile accessories, including keyboards, webcams, headsets, and more for the classroom. Track and record documents and lessons with ease.



# **ADESSO**®

# PowerGistics

20

PowerGistics designs and manufactures a range of highly innovative solutions devised to save valuable classroom space. PowerGistics storage and charging Towers are student-centered to save time, space, and money while effortlessly protecting teaching time.

STEWARTco STEAM Sales Guide | Collaboration

## AGES: All

**Students & Teachers** 

#### **STEAM BENEFITS:**

- Perfect for 1:1 classrooms, student managed to give time back to teachers.
- Small vertical footprint to give space back to the classroom.
- Maintenance free cable management, providing quick device return and retrieval.

### **PRICE (SRP):**

**TABLETOWER8 USB** 

\$649.99

Flex20 USB

\$1,947.99

**TABLETOWER8 USB LOCKING** \$799.99

#### **AGES: All**

**Teachers + Professionals** 

#### **STEAM BENEFITS:**

- Creates an agile classroom, where in-class and remote students are afforded the same access to quality audio, video, and content sharing.
- Eliminates wasted classroom time while improving student engagement.
- KLIK's screen sharing feature allows students to view and capture the shared content on their own device.

#### **PRICE (SRP):**

KLIKLink Video Sender (HDMI or USB-C) \$249.00 KLIKBoks HUB Wireless \$999.00

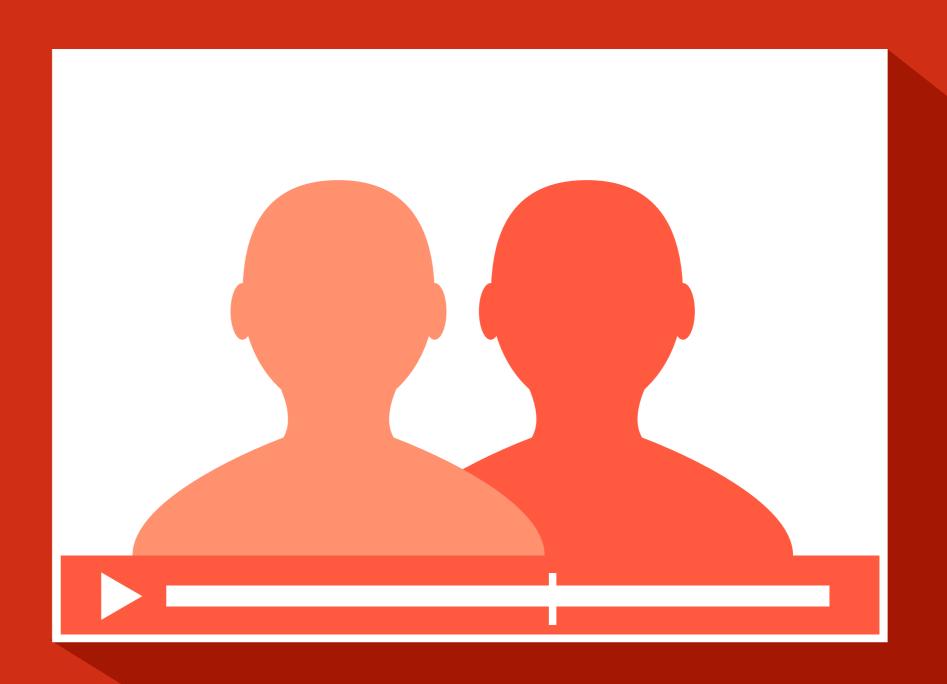
Effective

Marketing

KLIK is the hybrid collaboration platform that combines video conferencing, wireless screen sharing, live streaming, and much more. KLIKBoks HUB brings a breakthrough suite of capabilities to any classroom, meeting room, or any space where people meet to teach, learn, and collaborate.

## CREATIVITY + CONTENT CREATION

Conceptualizing ideals helps learning become more engaging, relevant, and authentic. Students can learn how to create visual and audio aspects while learning how to edit.



# UJJEOM®

Wacom is the global leader in the pen display and tablet market, providing interactive pen displays, pen tablets, styli, and apps to equip and inspire students to make the world a more creative place.

STEWARTco STEAM Sales Guide | Creativity + Content Creation

#### AGES: 13+

Middle & High School

#### **STEAM BENEFITS:**

- Boosts creativity and imagination with digitally drawing, painting, editing images, taking notes, or collaborating.
- Bonus downloadable software, training, and access to ongoing fun and inspiring content.
- Helps both students and teachers adapt to their learning environment whether it is interactive teaching, classroom collaboration, or online tutoring.

#### **PRICE (SRP):**

**Wacom One** \$39.95

Cintiq Pro 24

\$59.95

**Cintiq Pro 24 Touch** \$2,199.95 **Cintiq 22 Medium Creative Pen Display** \$1,299.95

Intuos Pro Pen & Touch Tablet \$379.95

#### AGES: 13+

Middle & High School

#### **STEAM BENEFITS:**

- Provides the versatility, functionality, and unrivaled durability you need to produce high-quality, professional studio results.
- Giving students the opportunity to create digital material for classroom use helps students achieve a higher sense of empowerment, ownership, and purpose.
- Helps build valuable skills, increases opportunities to learn digital citizenship, and offers students experience with producing.

#### **PRICE (SRP):**

#### **Production Media Production Studio Kits**

\$578.79 - \$2,015.35

HamiltonBuhl Media Production Content Creation Tool Kits

\$1,225.12 - \$1,399.95

**STEAM Sales Guide | Creativity + Content Creation** 

HamiltonBuhl is a leader in the design and manufacturing of electronics and presentation equipment for education. HamiltonBuhl media kits produce high quality podcasts and videos for work or school.

# Buhl<sup>®</sup>

# () iographer

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The iOgrapher was invented to empower users to create better video with their iPhones and iPads. By adding microphones, lenses, lighting, and tripods, users have the power to create professional looking video content for education and much more.

STEWARTco STEAM Sales Guide | Creativity + Content Creation

#### AGES: 13+

Middle & High School

#### **STEAM BENEFITS:**

- Enables students and creators by allowing them to create cinema-quality video with their iPhones and iPads.
- Inspires collaboration and creativity within students.
- Empowers hands on learning and creation by cultivating ideas through videos.

### **PRICE (SRP):**

#### **iOgrapher Coaches Bundles for iPad** \$188.93 - \$197.96

#### **AGES: All**

**Students & Teachers** 

#### **STEAM BENEFITS:**

- Automatically tracks an educator wearing a Marker in real time as they walk around the classroom.
- Compact and compatible with most mobile devices, capturing high quality video and audio.
- Floor stand helps find unobstructed space in the room for smooth operation.

#### **PRICE (SRP):**

Swivl Floor Stand \$99.00 **Swivl CX1 Bundle** \$699.00

> Swivl builds audio and video coaching tools to help administrators move faster by communicating better. Their tools also help teachers provide students with engaging, low-prep ways to practice authentic speaking and listening skills.

Swint

## 12:04

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Get started with stop-motion animation and join the play revolution. Piximakey turns tablets or smartphones into a movie set, featuring different stands, backdrops, and modeling clay.

STEAM Sales Guide | Creativity + Content Creation

#### **AGES: 3+**

**Elementary School** 

### **STEAM BENEFITS:**

- Engages students in both the physical and digital world while having limitless creativity in stop motion animation.
- The free Piximakey app is a digital toolkit which combines images, motion, and sound. Everything is designed in cooperation with educators and teachers.
- No matter the subject, animation can be used as a tool for communication, creativity, and cooperation.

#### **PRICE (SRP):**

**Piximakey Stop Motion Studio Education Edition** 

\$195.95

#### **3D PRINTING** + FABRICATION

CODING + COMPUTER SCIENCE VR / AR / XR / MR

**ROBOTICS + AI** 

# PROFESSIONAL CONDEVELOPMENT

#### MAKERSPACES + MAKER KITS

CURRICULUM



#### CREATIVITY + CONTENT CREATION

COLLABORATION

