



# STEAM ENRICHMENT CATALOG

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*For over 30 years, PCS Edventures has been committed to delivering top quality solutions that instill a passion for Science, Technology, Engineering, the Arts and Mathematics (STEAM) in learners all over the globe.*

- SUMMER CAMPS
- AFTER-SCHOOL & OUT-OF-SCHOOL PROGRAMS
- EXPANDED LEARNING OPPORTUNITIES (ELO) PROGRAMS
- CLASSROOMS

**edventures.com**

(800) 429-3110

# STEAM ENRICHMENT PROGRAMS

Your all-inclusive STEAM solution! Designed for educators to invigorate their program with fun, interactive learning through authentic, hands-on activities proven to engage learners of all levels in any setting.

While each *STEAM Enrichment Program* is unique to its learning objective, the programs all follow a similar structure to help ease the weight of implementation. Whether you're a seasoned teacher or a first-time summer camp counselor, these programs contain everything you need to get started right out of the box (and we really mean everything — pencils, scissors and even color copies for up to 30 learners), which means less time shopping for supplies and more time spent actively teaching.



## ENRICHMENT PROGRAMS

### STEAM Enrichment Program Quick Facts

- Includes all of the curriculum and materials needed for up to 30 learners
- 12 engaging one-hour lessons, with options for lesson extensions
- Standards aligned: Habits of Mind, 21st Century Skills, Common Core, NGSS and ISTE

All supplies needed for up to 30 learners

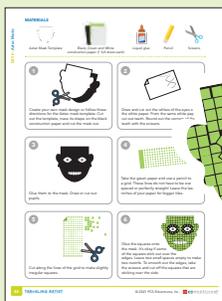
Storage tubs

All student pages

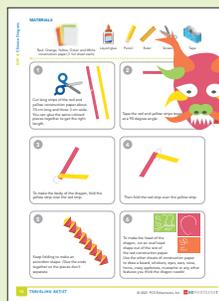
Instructor Guide



### Sample Lessons from *Traveling Artist*



Aztec Masks



Chinese Paper Dragons



Greek Pottery

# GRADES: 1-3

NEW  
2023



## Rockin' Robots

Calling all primary programmers and music makers! Take the helm of Sphero indi robots on a guided tour through the STEAMtastic fusion of music and robotics with *Rockin' Robots*. Learners **explore** the parts of a song, learn basic music notation, **craft** instruments, complete **musical coding** challenges and **investigate** sound effects. Groups utilize all of these tools and more for their culminating project - designing a course that indi navigates to play a song! 🔄 refill kit available

Complete Program (Materials + Curriculum) . . . . .	\$2,295 <sup>00</sup>
Refill Kit . . . . .	\$195 <sup>00</sup>



## Pirate Camp

From land-lubber to swash-buckler, it's the pirate's life for me! Cast-off onto the seven seas as students work together to navigate the treacherous depths, engaging in **STEM** experiments, **hands-on** design trials, **social-emotional learning** and **positive** group discussions. Set the scene each day with exciting stories that engage their senses, curiosity and **creative thinking** skills. Then, it's up to the merry bunch of misfits to **collaborate** with the rest of their crew to accomplish challenging tasks like forging catapults, tying knots, fashioning maps to hidden treasure and **reflecting** on their adventures! In *Pirate Camp*, action, intrigue and discovery await you at every turn. 🔄 refill kit available

Complete Program (Materials + Curriculum) . . . . .	\$895 <sup>00</sup>
Brickless Add-On to Complete BrickLAB . . . . .	\$599 <sup>00</sup>
Refill Kit . . . . .	\$95 <sup>00</sup>



## The Science of Superpowers

In this educator favorite, students answer the call for aid by dissecting superhero skill sets to uncover the science behind superpowers. With 12, one-hour **STEM** lessons in biology, **engineering design** and technology, learners fly alongside Superman, sling webs with Spider-Man and recognize the real-world heroes in their own lives. Whether they're working together to build structures capable of withstanding a supervillain onslaught or exploring how chameleons walk up walls, each unit is primed to invigorate any learning environment through **hands-on, social-emotional learning** activities. Dive headfirst into the comic universe where student **character development, multi-subject integration, creative thinking** and community awareness reign supreme. 🔄 refill kit available

Complete Program (Materials + Curriculum) . . . . .	\$775 <sup>00</sup>
Brickless Add-On to Complete BrickLAB . . . . .	\$499 <sup>00</sup>
Refill Kit . . . . .	\$95 <sup>00</sup>



## Sports Science

With near-perfect pitches, swings, kicks, strokes and sprints, an athlete's skills come down to countless hours of practice and a whole lot of science. Designed to excite students by integrating **STEM** into their favorite activities, this *Enrichment Program* thrives on **collaborative** learning experiences. Each day, learners investigate the mechanics of a different movement, connecting STEM concepts like the **forces** of motion and the influence of gravity through **exercise and movement**. What does friction have to do with soccer? Why would a football player need to know about unbalanced forces? Answer these questions and so much more in this action-packed, **reusable** STEM program. 🔄 very few consumables

Complete Program (Materials + Curriculum) . . . . .	\$1,050 <sup>00</sup>
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# GRADES: 1-3



## BrickLAB Zoo

Traverse tricky terrain, shake claws with lobsters and design ecosystems in this **life science Enrichment Program**. Exploring the globe through **hands-on STEM** activities, learners discover the diversity of **animal adaptations**, the differences in habitats and what's necessary for each biome's survival through **hands-on STEM** activities. They'll travel from the sands of the Sahara to the peaks of the Himalayas, investigating complex creatures as they build models of each animal, focusing on the **biological diversity** that makes them special. Through **creative thinking**, collaboration and multi-subject integration, *BrickLAB Zoo* fosters a unique bond to the Earth's biospheres and the vital roles animals play in them. ♻️ 100% reusable

Complete Program (Materials + Curriculum) ..... \$875<sup>00</sup>



## Unleash Your Wild Side

Investigate the diversity of the planet as globe-trotting artists! From the arctic to the high desert, revel in the complexities of different ecosystems through creative, learn-by-doing **STEAM** projects that inspect the science of the most intricate environments of the globe. Leave no rock unturned as students **reflect** on the unique aspects of the places and creatures they encounter over the 12, one-hour, **hands-on** lessons. They'll cultivate art and language skills, promote global awareness, engage in **exercise and movement** and spark a love for STEAM as they work alongside the flora, fauna, wild beasts and incredible habitats of the Earth! 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$850<sup>00</sup>

Refill Kit ..... \$580<sup>00</sup>



## Plants and Seeds: Exploring Life Cycles through Art

Flourish in the whimsical world of tunnel books with this **STEAM**-filled exploration of plants and seeds! Challenge learners to channel their inner **storytellers** as they create a free-standing, sculptural artwork to visually explain the **life cycle of a plant**. Referencing the five kinds of seed dispersal: gravity, water, wind, animal and attachment, each lesson builds **problem-solving** skills, **confidence** and **creativity** as students construct a one-of-a-kind work of art. 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$845<sup>00</sup>

Refill Kit ..... \$525<sup>00</sup>



## Dirt Camp

Make like a mole and dig into *Dirt Camp*! Young learners **collaborate**, **reflect** and **problem-solve** their way through a hands-on exploration of the origins and makeup of dirt. Build like a beaver. Tunnel like an ant. Burrow like a crayfish. Experience how techniques from animal, insect, plant and even fungi friends help humans to construct and cultivate. Delve into the differences between dirt and soil and apply this loamy lore to design an ideal farm. Through a **multi-subject integration** approach, learners will delight in rolling up their sleeves to experiment, **engineer** and excavate. 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$895<sup>00</sup>

Refill Kit ..... \$595<sup>00</sup>

# GRADES: 1-3



## BrickLAB Brain Builders

Let's build better brains! Using bricks to enhance hands-on learning, *BrickLAB Brain Builders* engages students through extraordinary science and engineering challenges. Whether they're using **logic** to determine patterns, **problem-solving** to construct unique designs or translating **abstract ideas** into concrete models, this **collaborative, social-emotional learning** program is a surefire way to introduce interactive **STEM** learning into any environment. Containing 12, one-hour lessons, built-in extensions, a digital curriculum download and all the materials to keep up to 30 learners engaged, *BrickLAB Brain Builders* is the perfect turn-key solution to start your students on a foundational STEM enrichment journey. ♻️ very few consumables

Complete Program (Bricks + Curriculum) ..... \$1,075<sup>00</sup>  
Brickless Add-On to Complete BrickLAB ..... \$429<sup>00</sup>



## BrickLAB Magic Beans

Capture imaginations with this **STEAM Enrichment Program**! From Jack and the Beanstalk to the golden touch of King Midas, *BrickLAB Magic Beans* brings fairy tales to life through thrilling engineering, language arts and collaborative communication activities. Designed with a focus on **arts integration**, each of the 12, one-hour lessons challenges students to boost fluency, vocabulary, comprehension and **hands-on creativity** as they work together to build the characters and stage props needed to act out the different folktales highlighted in every unit. Combine **manipulative-based engineering** activities with a sprinkle of magic and let fiction fly in *BrickLAB Magic Beans*. ♻️ 100% reusable

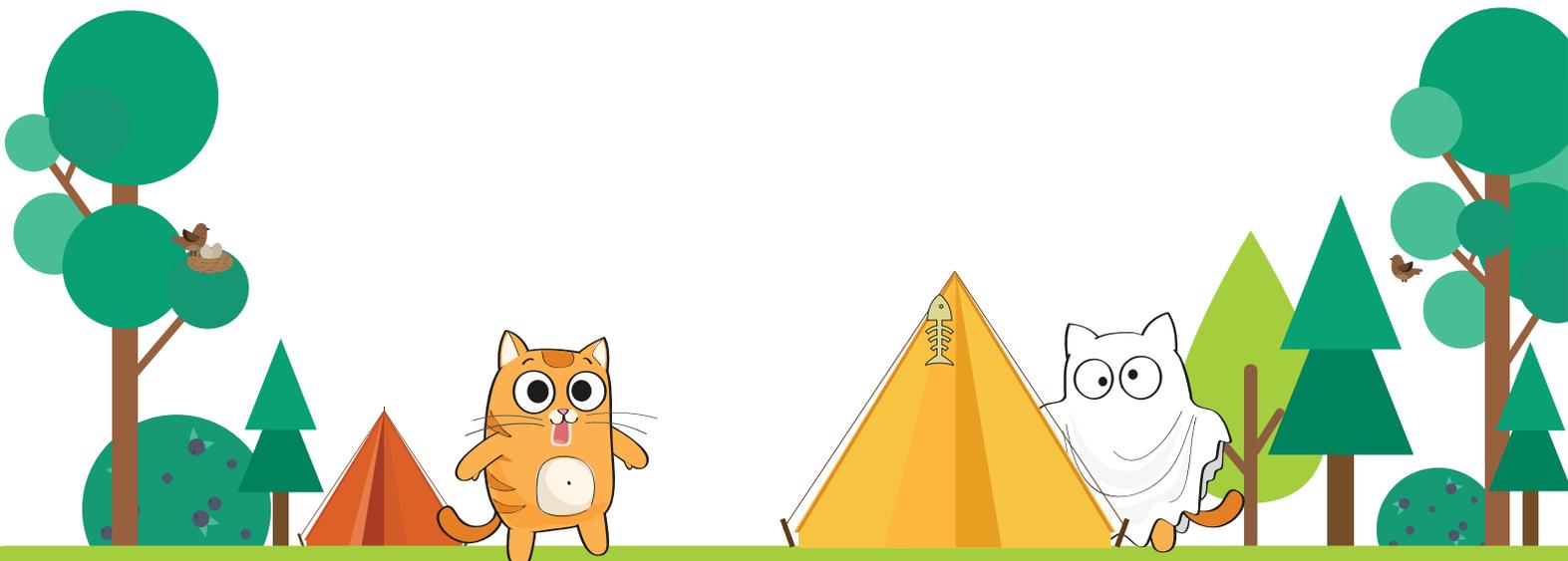
Complete Program (Bricks + Curriculum) ..... \$1,075<sup>00</sup>



## Scratch Camp

Uncover the sensational and unstoppable world of computer programming with cutting-edge curriculum and *Scratch*, a free-to-use software developed by MIT's best brains to encourage young learners to combine **creative thinking** and **intrinsic motivation**! Utilizing cutting-edge **application-based learning** and a series of 12 **scaffolded**, one-hour projects every day, learners expand their skills through **iterative thinking** and **problem-solving** challenges as they build their very own interactive storyboards and games with audio, video, animated characters and more. Demystify computer programming and get students fired up about creating their own unique projects with reusable coding curriculum! ♻️ 100% reusable

Complete Program ..... \$415<sup>00</sup>



# GRADES: 4-6

NEW  
2023



## Da Vinci Camp

Travel back in time 500 years to reveal how Leonardo DaVinci's inquisitiveness inspired many of today's advancements in everything from art to zoology. Learners **experiment** with mirror writing, **observe** geometry in nature, reveal anatomical proportions, and **design** cities to discover the tricks DaVinci used to become one of the most regarded **scientific minds** of all time. Most importantly, students develop a deeper understanding of the world's interconnectedness simply by asking, "I wonder why...." 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$625<sup>00</sup>  
Refill Kit ..... \$395<sup>00</sup>



## Simple Machines

Let creativity run wild with a thrilling investigation of **mechanical engineering**. Starting with step-by-step, **hands-on STEM** builds to introduce each of the simple machines included in the program, learners work towards more advanced concepts as they construct their own creative machines. Investigate levers, pulleys and inclined planes in each of the 12, one-hour lessons, and get ready to enhance critical thinking skills by immersing learners in every stage of the **engineering design process**. With built-in reflections and reusable manipulatives, discover the importance of engineering and be amazed at the structures designed and created in this collaborative STEM enrichment experience. 🔄 100% reusable

Complete Program (Materials + Curriculum) ..... \$1,545<sup>00</sup>



## Traveling Artist

Survey the history of art by carving totem poles in the Pacific Northwest, crafting Aztec masks in the heart of Mexico and experimenting with the artistic traditions of the world. In this thrilling *Enrichment Program*, students take **creative thinking** and **cultural awareness** head-on as they examine the **STEAM** processes that make art possible. To develop this program, PCS Edventures teamed up with an artist and art educator to embody the true insight of a creative mind and a **multi-subject curriculum**. In *Traveling Artist*, learners explore and **reflect** on the different cultures of the world through the depth of their history, legacy and incredible works of art. 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$795<sup>00</sup>  
Refill Kit ..... \$460<sup>00</sup>



## Flight & Aerodynamics

*Flight and Aerodynamics* is packed with 12 engaging, one-hour lessons centered around the thrills of aviation. As individual sessions or a sky-high intensive, this program combines the **engineering design process**, **creative thinking**, **the arts** and a **collaborative** environment as it challenges learners to explore the wonders of flight. Whether students are designing experiments to investigate history's most iconic flying machines or observing abstract **physics** concepts like energy conservation and buoyancy, this **multi-subject approach** to flight investigation provides endless opportunities for students to develop and nurture the foundations of scientific inquiry and their critical thinking skills. 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$1,025<sup>00</sup>  
Refill Kit ..... \$395<sup>00</sup>

# GRADES: 4-6



## Oceanic Exploration

Take the dive with *Oceanic Exploration* and journey from the tropics to the poles to inspect arctic food webs, simulate coral reef adaptations and survey everything from the great river deltas to the Mariana Trench. Through **engineering design** activities, challenge learners to collaborate on **sustainability** projects as they work to bring the California sea otter back from the brink of extinction and track great white sharks across the open ocean, answering and **reflecting** on important sea-dwelling questions about the variety of the oceans and the differences in ecosystems. With action-packed, hands-on **STEM** activities, discover the physical and **geological sciences** that underpin all ocean life. In *Oceanic Exploration*, STEM education is your oyster.

🔄 refill kit available

Complete Program (Materials + Curriculum) . . . . . \$645<sup>00</sup>  
Refill Kit . . . . . \$210<sup>00</sup>



## BrickLAB Famous Architecture Around the World

Travel through history investigating how ancient architectural breakthroughs led to the fundamental design elements we know today. From walls and arches to post-and-lintel building techniques, use hands-on manipulatives and **multi-subject integration** to inspect and duplicate design elements from around the globe. After the foundation's been poured, utilize the **engineering design process** to replicate some of history's most famous designs, then uncover how different societies made the stylistic, artful and structural considerations of construction and architecture through 12 **reusable**, one-hour lessons. Encourage creativity and guide learners towards **STEM** enrichment in *BrickLAB Famous Architecture Around the World*. 🔄 100% reusable

Complete Program (Bricks + Curriculum) . . . . . \$925<sup>00</sup>



## Build a Better World

Take **engineering design** to the next level with a hands-on look at the **impact of natural disasters**. Working to better understand the elements at play in the world around them, *Build a Better World* challenges learners to collaborate on structural designs as they **problem-solve** and model earthquake stability, hurricane winds, system integrity and so much more on their quest to understand how buildings were designed to resist outside forces and **natural hazards**. Culminating in a final world-building challenge, this program gives learners a first-hand look at how **STEM** helps create the safe and sturdy world we live in today! 🔄 refill kit available

Completer Program (Materials + Curriculum) . . . . . \$1,025<sup>00</sup>  
Refill Kit . . . . . \$275<sup>00</sup>



## Science of the Human Body

Take a closer look at the microscopic mechanisms that make humans tick! With 12, one-hour lessons, examine the complexities of human anatomy and physiology through fast-paced **engineering design** activities. Utilizing **exercise and movement** as a teaching tool, learners **problem-solve** to unravel the mysteries of the human body with activities like running for a minute to measure heart rate, approximating energy expenditure and discovering the importance of refueling with proper nutrition. Maintaining health and fitness is a lifelong endeavor, and *Science of the Human Body* is the perfect introduction to a healthy lifestyle! 🔄 refill kit available

Completer Program (Materials + Curriculum) . . . . . \$675<sup>00</sup>  
Refill Kit . . . . . \$195<sup>00</sup>



## Ready, Set, Drone! Second Edition

Take to the skies with mini drones! Paired with thrilling, easy-to-operate **aerial robotics** equipment, these 12, one-hour, **collaborative** lessons are the perfect introduction to the world of unmanned aerial vehicles (UAVs). In this exploration of UAV technology, **safety** is a priority as students learn to fly and capture aerial photos and videos, exploring the **real-world applications** and possibilities of drones. Putting critical thinking to the test, this **multi-subject, inquiry-driven** curriculum has students problem-solve through an exploration of drone physics, introducing learners to tomorrow's drone-filled future.

🔧 refill kit available

Complete Program (Materials + Curriculum) ..... \$3,195<sup>00</sup>

Refill Kit ..... \$349<sup>00</sup>

Add-On Package for *Drone Designers* ..... \$895<sup>00</sup>

*Additional add-ons and individual materials available. Contact PCS Edventures for a free consultation and to find the right drone program for your environment.*



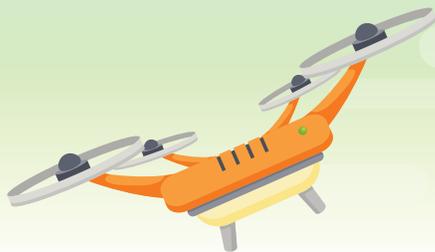
## Drone Designers: Exploring STEAM Careers

**Drones** are transforming the world of arts and entertainment, performing alongside artists as diverse as Metallica, Drake and Cirque du Soleil. Follow in the footsteps of the world's most innovative drone designers, weaving together the **engineering design process** and principles of **aerodynamics** to costume, choreograph and code tiny **aerial robots** in creative performances. Get ready to use your imagination and explore the innovative ways drones are being used for good! 🔧 refill kit available

Complete Program (Materials + Curriculum) ..... \$3,195<sup>00</sup>

Refill Kit ..... \$349<sup>00</sup>

Add-On Package for *Ready, Set, Drones!* ..... \$895<sup>00</sup>



## Video Production

Lights, camera, action! As the digital age continues to advance, it's never been easier to learn the art of filmmaking. Developed around **reusable, application-based** curriculum, tablets and free editing software to make filmmaking fun and approachable, *Video Production* empowers students with technical skills in video filming and editing while exploring the historical significance of film and the unique elements of storytelling. From **collaborative** storyboarding and the rule of thirds to lighting and audio, each **scaffolded** activity builds upon the previous day, culminating in a final film project that movie-makers proudly share at the festival held at the end of the program. Fuse art and technological literacy, and bring STEM to the silver screen in this extraordinary introduction to filmmaking.

🔧 very few consumables

Complete Program (Materials + Curriculum) ..... \$395<sup>00</sup>

# GRADES: 4-8



## Claymation

Tap into the incredible practice of stop-motion film production and learn the technique from the ground up with this hands-on, **application-based** *Enrichment Program*. Containing everything students need to create their own movies, including top-quality clay, fun-to-use software, adorable cameras and amazing curriculum that turns anyone into a filmmaker, each of the 12, one-hour lessons perfectly melds **collaborative learning** with **creative thinking** as students work together to record, dub and edit their own film. A fully **reusable** **STEAM** experience, each unit is **scaffolded** with daily projects, teamwork, technological literacy and a little bit of movie-making magic. ♻️ very few consumables 🔄 refill kit available

Complete Program (Materials + Curriculum) . . . . . \$1,345<sup>00</sup>  
 Refill Kit . . . . . \$329<sup>00</sup>

# GRADES: 6-8



## Structural Design

Get hands-on creativity flowing as students don their hard hats to learn the complexities of designing structures. From integrating mechanics into construction to investigating the impacts of external forces through the **engineering design process**, learners move through advanced **building and blueprinting** exercises. With new buildings reaching higher into the sky, architects and engineers are constantly working through questions of structure and style. In *Structural Design*, learners tackle those same **STEM** challenges as they **problem-solve** to develop an understanding of the real-world applications of architecture, gaining an appreciation for the structures they see every day. 🔄 100% reusable

Complete Program (Materials + Curriculum) . . . . . \$3,495<sup>00</sup>



## 60 Seconds or Less

In this **exercise and movement-based** *Enrichment Program*, students channel their inner competitive spirit to complete 60-second challenges that reinforce specific STEM principles. From exploring energy conservation by rolling marbles over tape to understanding the power of air pressure by making cups fly, in each lesson, learners **collaborate** to utilize household items and micro-challenges to demonstrate the **engineering design process** and explore the expansive world of STEM. As the challenges in *60 Seconds or Less* become progressively more difficult, students need to **problem-solve**, move quickly and apply the real-world principles they've learned in order to earn the honor of being called a true STEM champion. ♻️ very few consumables

Complete Program (Materials + Curriculum) . . . . . \$925<sup>00</sup>



## Survivor

Lightning strikes, dead car batteries and losing your map — emergencies can happen at any time! While the odds of being lost or stranded outdoors are pretty low, knowing what to do in an emergency is important. As survivalists, students learn exactly what to do through a team-based study of real-world survival skills. From investigating the utility of tools to working through challenging situations, over this 12-lesson program, learners explore **positive character development** by using ingenuity to gain crucial skills such as knot tying, water purification and compass navigation. Bringing STEM to the great outdoors through **exercise and movement**, instructors love the hands-on, **collaborative, social-emotional learning** curriculum. With each thrilling activity, students **problem-solve** and put their new skills to the test in order to conquer every challenge Mother Nature throws their way. 🔄 refill kit available

Complete Program (Materials + Curriculum) . . . . . \$775<sup>00</sup>  
 Refill Kit . . . . . \$250<sup>00</sup>

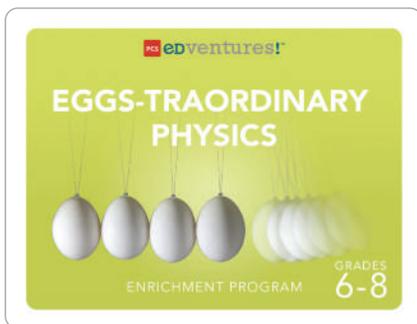
# GRADES: 6-8



## Summer Camp Classics

In *Summer Camp Classics*, students tackle **creative-thinking** and **social-emotional learning** challenges as they **collaborate** to construct friendship bracelets, design leaf prints and blueprint new ways to make s'mores, discovering and reflecting on their strengths with this STEAM-filled arts and crafts camp. Whether you're under Douglas firs or inside a gymnasium, *Summer Camp Classics* brings a refreshed look at the best of what summer camp can offer. This *Enrichment Program* contains everything you need to create a one-of-a-kind experience in any learning environment, including an Instructor Guide, a full printed set of Student Pages and all the supplies needed for 12, one-hour, hands-on lessons. 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$995<sup>00</sup>  
 Refill Kit ..... \$395<sup>00</sup>



## Eggs-traordinary Physics

Which came first, the chicken or egg-citing physics challenges? In this **reusable, collaborative** program, students turn the study of motion and mass into hands-on projects and **engineering design process** challenges. With metal eggs, they'll spin, toss, race and problem-solve while studying the ideas of motion, such as velocity, speed and the major role gravity plays. These egg-cellent activities are not only fun, but they get learners engaging through **iterative thinking** and **social-emotional thinking**, all while providing valuable reinforcement of complex physics concepts. In each lesson, learners meet the challenges of *Eggs-traordinary Physics* head-on with teamwork, creative thinking, active demonstrations and a whole lot of egg-STEAM fun. 🔄 refill kit available

Complete Program (Materials + Curriculum) ..... \$795<sup>00</sup>  
 Refill Kit ..... \$160<sup>00</sup>



## Flying Disc

Go long! Since 700 B.C., flying discs have been making a name for themselves. In this high-flying program, students zoom through the disc's historical past while learning valuable physics concepts. While enjoying the fresh air, they **collaborate** to investigate how discs fly because of spin (lift), angular momentum (thrust), shape (drag) and weight (gravity). With different shapes and sizes of flying objects, learners embrace **exercise and movement** as they investigate the most effective throwing, flying and catching techniques, gaining a crucial understanding of the **forces of motion** that affect all objects in flight. After capturing a thorough knowledge of founding physics concepts, cap the final lesson off with an exciting game of **STEM** ultimate frisbee! 🔄 very few consumables

Complete Program (Materials + Curriculum) ..... \$725<sup>00</sup>



## BrickLAB Genetics

If Aunt Muriel and Uncle Charles both have blue eyes, could their brand new baby have brown eyes? Answer this question and so much more as BrickLAB bricks guide **inquiry-driven** examinations of the fascinating world of genetics and heredity. With each **scaffolded** lesson, learners build model families to tour the concepts of heredity, construct strands of DNA and review the basics of human **inheritance and trait variations**. Through 12 fully **reusable**, hands-on activities, **extensions** and built-in **assessments**, watch as the intricate coding of genes and the impacts of DNA mutations come to life. With *BrickLAB Genetics*, students assemble a comprehensive view of the special and distinct processes that make up the world around them! 🔄 very few consumables

Complete Program (Materials + Curriculum) ..... \$975<sup>00</sup>

# GRADES: 6-12



## Discover Podcasting

Amplify student voices with the popularity of *Podcasting*! In this **application-based** program, students explore production team roles as they create their own podcasts through **collaborative learning**. **Hands-on** curriculum includes curated content from top podcasters who offer their advice to up-and-coming audio artists. **Scaffolded** lessons break down the creative process step-by-step for added accessibility, especially for **English Learners**. Microphones, headphones and an easy-to-use digital audio workstation provide all the materials you need to set up your own sound studio. Leverage the buzz about podcasts and the **intrinsic motivation** that comes with this engaging medium for learners in grades 4-8.  annual subscription

GRADES: 6-12 • STUDENTS: 30 • CONTACT HOURS: 12+

Complete Program (Materials + Curriculum) ..... \$2,995<sup>00</sup>



CALL: (800) 429-3110

EDVENTURES.COM

SALES@EDVENTURES.COM



The ultimate tool for any STEAM-conscious instructor looking to electrify a classroom, after-school program or makerspace, combining educational efficacy with entertaining, experiential activities!

BrickLAB utilizes reusable manipulatives in every lesson with PCS Edventures' signature "Perfect Brick." Each innovative curriculum series works to promote individual academic success, instilling a lifelong love of STEAM every step of the way. Based on Bloom's Taxonomy and 21st Century Skills like communication, collaboration, critical thinking, creativity and innovation, BrickLAB ensures student readiness with its exploration of a wide range of thrilling topics.

### BrickLAB Quick Facts

- 6,500+ BrickLAB bricks bring educational activities to life
- Fun, colorful, durable and 100% reusable
- Curriculum for guided, project-based lessons for multiple grade levels
- Accommodates up to 30 learners simultaneously

All BrickLAB bricks  
needed for  
up to 30 learners

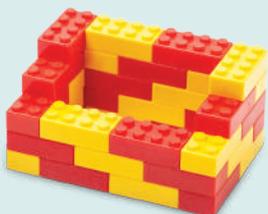
Mesh bag

Storage tubs

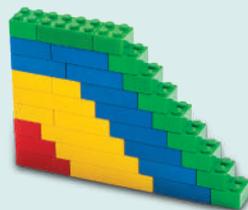
Instructor Guides



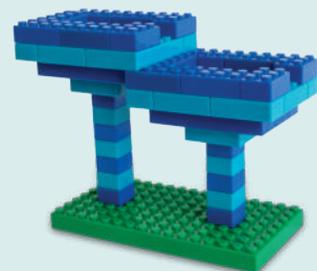
### Sample Lessons from *BrickLAB Tech*



BrickLAB TECH - Grade 1  
Curbside Recycling



BrickLAB TECH - Grade 3  
Cross section of the Earth



BrickLAB TECH - Grade 4  
Water Purification

# Our most popular multigrade BrickLAB Programs:



**BrickLAB Tech** houses 12, two-hour units, combining the power of **collaborative learning** with the art of **engineering design** in an exploration of society's leading technologies. Expand your learner's **creative thinking** and **problem-solving** skills with captivating, **hands-on STEM** projects that dive into iterative engineering challenges, survey the history of the world's industries and build an understanding of technology's ethical effects on the environment and society. As the perfect addition to any program seeking to add a diverse range of projects and learning avenues, *BrickLAB Tech* is **reusable**, easily integrated and primed to invigorate your space.

♻️ 100% reusable

GRADES: K, 1, 2, 3 & 4 • STUDENTS: 30 • CONTACT HOURS: 24+

Ultimate Set (K-4) - Complete Program (Bricks + Curriculum) . . . . . **\$1,295<sup>00</sup>**

Single Grade - Complete Program (Bricks + Curriculum) . . . . . **\$850<sup>00</sup>**



**BrickLAB Core** seamlessly melds dynamic learning experiences with a **multi-subject** approach to STEAM enrichment. With **reusable** curriculum sets developed specifically to fit the needs of a wide range of learners and grade-specific standards, each kit includes three sets of one-hour lessons in Science, Math, Social Studies and the Language Arts for over 12 hours of **hands-on** engagement. Each unit hinges on **collaborative learning** as students put their **creative thinking** and **problem-solving** skills to the test. Expand new concepts, build upon existing knowledge and explore the secrets of manipulative-based learning with *BrickLAB Core*. ♻️ 100% reusable

GRADES: 1, 2, 3, 4, 5 & 6 • STUDENTS: 30 • CONTACT HOURS: 12+

Ultimate Set (1-6) - Complete Program (Bricks + Curriculum) . . . . . **\$1,195<sup>00</sup>**

Single Grade - Complete Program (Bricks + Curriculum) . . . . . **\$830<sup>00</sup>**



**BrickLAB STEM Foundations** is your **STEM** library. Inside, you'll find the four books of STEM focusing on physics, technical communication, construction engineering and math. By employing an adaptable curriculum, this turn-key STEM enrichment solution successfully engages a wide variety of age levels and learning environments through **multi-subject integration**, **social-emotional learning** and **hands-on engineering design** exercises. From exploring Newton's Third Law to studying flying buttresses, this grab-bag contains over 52 hours of stimulating, **reusable**, real-world building adventures. With an assessment to check for understanding at the end of each exercise, guide your students as they discover what the world of STEM has to offer. ♻️ 100% reusable

GRADES: 4-6 • STUDENTS: 30 • CONTACT HOURS: 52+

Complete Program (Bricks + Curriculum) . . . . . **\$1,095<sup>00</sup>**



# Year of STEAM



## All-Inclusive STEAM Enrichment K-8 Solutions



- ★ Expanded Learning Programs
- ★ Summer Programs
- ★ Out-of-School Programs

An example of a year of programming...

	K	1st	2nd	3rd	4th
Q1					
Q2					
Q3					
Q4					
Tech Requirements			6 devices for Rockin Robots (tablet, Chromebook)		5 devices for Claymation (laptop, desktop)

Looking for a customized solution  
based on your program needs?

Contact a STEmbassador

[edventures.com/consult](http://edventures.com/consult)

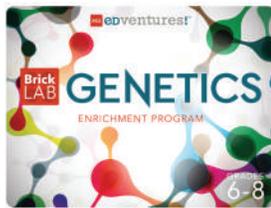


5th

6th

7th

8th



6 devices for Ready, Set, Drone! (smartphone, tablet)

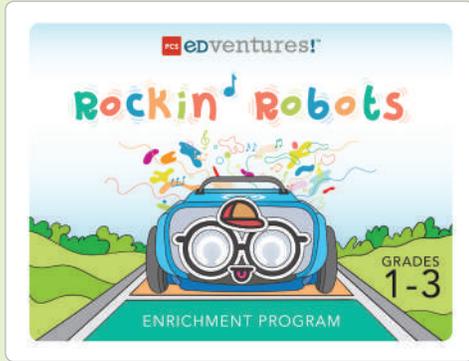
5 devices for Podcasting (laptop, desktop, Chromebook)

6 devices for Video Production (tablet)

1 device per student for Blocksmith (laptop, desktop, Chromebook)



See inside for details.



## Don't miss our other popular catalog!

The Drones and Discover catalog puts the world's fastest-growing technologies into the hands of students. From practical piloting skills, flight safety and ethical operations to programming, robotics, engineering, physics and video production, learners gain integral 21st Century Skills in areas like creative problem-solving and logic-based critical thinking through hands-on, self-guided exploration.



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Disclaimer: refer to the website for the most current pricing and materials list.

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