

WELCOME TO

# COLLEGE FOR KIDS 2017



Registration begins at 10:00 a.m.  
Wednesday, April 26, 2017  
Register at [behrend.psu.edu/kids](http://behrend.psu.edu/kids)



**PennState**  
Behrend

## REGISTRATION AND PAYMENT

Registration and payment are required at least one week prior to each class. Register early—classes have limited enrollment and fill quickly! Participants must be registered online with our user-friendly registration system, and each participant must be registered separately.

## CANCELLATION POLICY

Cancellations must be received in writing or email fourteen days in advance of the class and will be assessed a \$10 cancellation fee. Cancellations made after that time and prior to the class start date will be assessed a \$25 fee. There is no refund for cancellations made after a class has begun.

## DROP-OFF AND PICK-UP

Drop-off and pick-up is located in the Reed Union Building Wintergarden. Short-term parking is available in the Reed Union Building parking lot. Parents remaining on campus should see Police Services for a parking permit.

Students not using Early/Late Care may be dropped off no more than fifteen minutes before the start of class and should be picked up immediately at the end of class. If a student needs to be dropped off or picked up during class time, call College for Kids at 898-6871 to make arrangements.

Penn State Behrend provides a secure drop-off and pick-up area for your child's safety. At drop-off, please provide the name of the person who will pick the child up after class. At pick-up, that person is required to present a photo ID each day when signing the child out. No exceptions!

## LUNCH AND SNACK BREAKS

Children will be provided with one break during class, and are encouraged to bring a snack and drink with them. An opportunity may be provided to purchase snack items at the bookstore or vending machines. If your child is attending camp all day, the program will supervise the lunch hour at no additional charge.

Lunch is not provided by the program. All-day participants can bring a lunch or purchase lunch at Bruno's Café. A weekly menu for Bruno's can be viewed at [behrend.psu.edu/kids](http://behrend.psu.edu/kids).

## DAILY SCHEDULE (UNLESS OTHERWISE NOTED)

**Early Care (\$20/week)** 7:30–8:45 a.m.  
Optional supervised child care prior to morning sessions.

**Morning Session** 9:00 a.m.–Noon  
Students must arrive by 8:45 a.m.

**Lunch Break** Noon–1:00 p.m.  
For students attending all day.

**Afternoon Session** 1:00–4:00 p.m.  
Students must arrive by 12:45 p.m.

**All-Day Sessions** Times vary.  
See class descriptions.

**Late Care (\$20/week)** 4:00–5:30 p.m.  
Optional supervised child care following afternoon sessions.



**Have you thought about college? A major?  
A career? You have questions, and Penn State  
Behrend's High School Academy has answers.**

Scheduled for Thursday, June 29, High School Academy offers hands-on activities that allow high school students to explore multiple academic majors and career possibilities.

For more information or to register, visit [behrend.psu.edu/academy](http://behrend.psu.edu/academy) or call 814-898-6871.



**PennState**  
Behrend

Week 1:  
**JUNE 12–16**

Go to [behrend.psu.edu/kids](http://behrend.psu.edu/kids)  
for **full class descriptions** and  
to register



Class Name	Age Group	Class Description	Price
<b>Mornings</b>			
Slimy Science	6-8 years	Explore scientific principals making slime, using gummy worms and many more hands-on experiments.	\$85
<b>STEM</b> Experience with Toy Bricks	6-8 years	Express your own creativity using LEGO® technology and engage in STEM-based LEGO® challenges to enhance your building, problem solving, and reasoning skills while also having fun!	\$85
Engineering Challenges Made Fun <b>NEW</b>	8-10 years	Learn to build and test different kinds of structures, including a boat in water.	\$85
Beginner Model Rocketry	8-10 years	Experience the thrill of designing, building, and launching your own reusable model rockets.	\$95
Junk Journaling <b>NEW</b>	8-12 years	Gather your photos, memorabilia, and some “junk” and together we will learn how to make a “Junk Journal” out of an old book and everyday supplies.	\$85
Video Game Design; Creative Coding and Programming <b>NEW</b>	10-12 years	Learn coding and programming skills to create your own games and animations.	\$90
When the Whole World Was at War	10 years & up	Examine a profound period of our history, take part in a mock trial, and build your own plane.	\$85
Stain Glass Mosaic <b>NEW</b>	10 years & up	Create your own stained glass mosaic masterpiece.	\$90
<b>All day (9:00 a.m. to 4:00 p.m.)</b>			
Stop Motion Video Animation with Toy Bricks	10 years & up	Create video animations that appear to come to life using polymer clay, self-created backdrops, LEGO® mini figures, cameras, lights, and computers. All materials and equipment will be provided, including Batman LEGO® mini figures and props.	\$170
<b>Afternoons</b>			
Creative Coding and Programming; An Introduction to Video Game Design	6-8 years	Learn basic coding and programming skills to create your own games and animations.	\$90
Cookie Crush <b>NEW</b>	6-8 years	Make several kinds of delicious cookies while learning about measuring and baking techniques.	\$85
Acting for the Stage 1	6-9 years	Learn the art of Narrative Pantomime and how to take stage direction while developing character, projection, stage presence, and memorization techniques.	\$85
Introduction to Robotics	8-10 years	Experiment with and program the LEGO® MINDSTORMS® system, VEX® Robotics Kits, TriBot, Robosapien, Jitter Bot, MIP, and more.	\$85
Minecraft	8-10 years	Learn the basics of Minecraft, explore and build your own world, master new game tricks, and engage in group play. Must have a PC Minecraft account (not a portable device account) established prior to class.	\$85
Star Wars and the Roman Empire	10 years & up	Film critics and history buffs alike will discover the history behind Star Wars and its creator George Lucas. Rebel Alliance or Galactic Empire attire is optional!	\$85
Yoga, Zumba, and Healthy You	10 years & up	Learn about energy balance, healthy eating, and body image while participating in daily YOGA and ZUMBA activities. Yoga mats are provided.	\$85

Week 2:  
**JUNE 19–23**

Go to [behrend.psu.edu/kids](http://behrend.psu.edu/kids)  
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Class Name	Age Group	Class Description	Price
<b>Mornings</b>			
Awesome Authors	6-8 years	Craft and write an original story for publication.	\$85
Science Super Heroes <b>NEW</b>	6-8 years	Learn about your favorite superhero's super senses and the animals from which they come. Engage in science experiments to enhance your own senses like super heroes.	\$85
Science and Engineering Explorers <b>NEW</b>	8-10 years	Explore the worlds of science and engineering through fun, hands-on projects, experiments, and an outdoor excursion.	\$85
Introduction to Robotics	8-10 years	Experiment with and program the LEGO® MINDSTORMS® system, VEX® Robotics Kits, TriBot, Robosapien, Jitter Bot, MIP, and more.	\$85
Solar System Hoops	8-12 years	Learn hoop dance techniques, make your own hoop, and begin to understand the elements of dance and composition while learning about our solar system.	\$85
Kirsten's Prairie Picnic <b>NEW</b>	8-12 years	Explore what pioneer life was like while you make a lunch basket, an apron, a rag doll, and more!	\$85
Sewing 101 <b>NEW</b>	10 years & up	Learn the skills of hand and machine sewing while creating unique works of art.	\$85
Star Wars and the Roman Empire	10 years & up	Film critics and history buffs alike will discover the history behind Star Wars and its creator George Lucas. Rebel Alliance or Galactic Empire attire is optional!	\$85
Intro to RC Quadcopters and Aerial Photography	10 years & up	Learn how to operate and take pictures and videos with a Dromida KODU Quadcopter and simulator. All participants receive a quadcopter as part of this class.	\$150
<b>Afternoons</b>			
My Doll and Me	6-8 years	Create accessories like sandals, slippers, sleeping bags, and more for your favorite 18" doll (American Girl or similar).	\$85
Backyard Camp Out	6-8 years	Have fun hiking, making a tent, gathering firewood, creating camp crafts, and participating in a "night experience" at the Yahn Planetarium.	\$85
Science Sisters Mc2 <b>NEW</b>	8-10 years	Join science sleuths Camryn, McKeyla, Bryden, and Adrienne as they explore the world of science making bottle rockets, cars, and visiting the Yahn Planetarium.	\$85
Creative Coding and Programming: An Introduction to Video Game Design	8-10 years	Learn basic coding and programming skills to create your own games and animations.	\$90
Star Wars <b>STEM NEW</b>	8-10 years	Join the rebel forces and make your own lightsaber. You'll also make galaxy slime, learn about gravity, and explore our solar system and the Star Wars galaxy.	\$85
From Duct Tape to Fashion Queen <b>NEW</b>	8-12 years	Create fashionable duct tape projects such as purses, visors, sandals, and more.	\$90
Storm Chasing 101	10 years & up	Study extreme weather with WJET meteorologist Tom Atkins and talk to a real storm chaser.	\$105
Intermediate Robotics	11 years & up	Step up to the next robotics challenge using the LEGO® MINDSTORMS® system and VEX® Robotics Kits.	\$90
Become a Champion Engineer	10 years & up	Use engineering principles to build towers, catapults, hover crafts, and slingshots for individual and team competitions.	\$85



Week 3:  
**JUNE 26–30**

Go to [behrend.psu.edu/kids](http://behrend.psu.edu/kids)  
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Class Name	Age Group	Class Description	Price
<b>Mornings</b>			
Outdoor Sports and Games	6-8 years	Participants, both boys and girls, will be introduced to the fundamental skills of several sports.	\$85
Create a Story <b>NEW</b>	6-8 years	Create art and stories based on wordless picture books using clay and colored pencils. There will also be collage and story themed cookie decorating.	\$85
Engineering Challenges Made Fun <b>NEW</b>	8-10 years	Learn to build and test different kinds of structures, including a boat in water.	\$85
Science Super Heroes <b>NEW</b>	8-10 years	Learn about your favorite superhero's super senses and the animals from which they come. Engage in science experiments to enhance your own senses like super heroes.	\$85
Making Memories <b>NEW</b>	8-12 years	Turn your favorite photos into personalized coasters, poster boards, photo cubes, and more. Please bring twenty or more of your favorite pictures.	\$85
Guitar 101 <b>NEW</b>	8-12 years	No guitar, no problem! Use one of ours to gain a solid foundation and learn to play a basic song.	\$85
Roller Coaster Physics	10 years & up	Design and construct a large rollercoaster using the K'NEX® engineering system and visit Waldameer for a behind-the-scenes look at rollercoaster operations.	\$90
It's My Business: Be an Entrepreneur with Junior Achievement	10 years & up	Want to own your own business? Learn the key strategies to successful entrepreneurship.	\$85
<b>All day (9:00 a.m. to 4:00 p.m.)</b>			
The Great Cake Bake	11 years & up	Go baking crazy! Learn advanced design and decorating techniques, bake an edible display, and visit a local bakery.	\$170
<b>Afternoons</b>			
Bippity, Boppity, Boo	6-8 years	Calling all princesses! Live your very own fairytale during a week filled with stories, crafts, and tea parties.	\$85
Star Wars <b>STEM NEW</b>	6-8 years	Join the rebel forces and make your own lightsaber. You'll also make galaxy slime, learn about gravity, and explore our solar system and the Star Wars galaxy.	\$85
Engineering Possibilities with K'NEX®	8-10 years	Discover how the field of engineering is much more than building bridges and buildings using the K'NEX® building system.	\$85
Edible Science	8-10 years	Join in the fun and conduct a variety of science experiments and activities using food and other household items.	\$85
Authors Club	8-10 years	Write and illustrate your very own hardcover book.	\$85
Engineering Explorers with 3D Printers <b>NEW</b>	10 years & up	Explore plastics, software, electrical, and materials engineering fields using CAD programming and Makerbot 3D printers. Experiment with thermoforming, stress-testing, and more.	\$105
CSI-Crime Scene Investigations!	10 years & up	Learn how science is used to solve crime by using experimental techniques in a laboratory-based setting.	\$85
Improv	10 years & up	Participate in games and exercises similar to "Whose Line Is It Anyway?"	\$85

Week 4:  
**JULY 10-14**

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Class Name	Age Group	Class Description	Price
<b>Mornings</b>			
Watercolor Blast	6-8 years	Create watercolor works of art using professional quality paper, paints, and brushes.	\$85
Dinosaur Digs	6-8 years	Participate in a dinosaur dig and make your own fossil while learning about dinosaurs.	\$85
Lights, Camera, iMovie	8-12 years	Learn methods of photography, videography, and story boarding while making movies on your iPad using iMovie. Participants must bring their own iPad with iMovie installed.	\$85
Cartoon Character Graphing <b>NEW</b>	8-12 years	Using the intricate concepts of the coordinate grid, create a poster-sized duplication of your favorite character.	\$85
Girls Just Wanna Have Fun	8-12 years	Create and use your own spa products during this week of girly fun.	\$85
Engineering MythBusters	8-12 years	Engineering exploration modeled on the Discovery Channel's hit "MythBusters."	\$85
Christmas Cookies/Baking in July <b>NEW</b>	10 years & up	Design and bake a gingerbread house display and create classic Christmas cookies. Learn advanced design and decorating techniques while celebrating Christmas baking in July!	\$85
Innovation Google <b>NEW</b>	10 years & up	Become an innovative expert user of Google Technologies to unlock unlimited opportunities!	\$85
<b>All day (9:00 a.m. to 4:00 p.m.)</b>			
Sea Perch—Underwater Robotics <b>NEW</b>	12 years & up	An all-day marine engineering camp where participants build an underwater remotely operated vehicle that they will take home after testing it in the Junker Center pool.	\$250
<b>Afternoon</b>			
Cooking Kids <b>NEW</b>	6-8 years	Learn the importance of kitchen safety while making some simple recipes.	\$85
Harry Potter Extravaganza	6-8 years	Experience the world of Harry Potter as you take the train to Hogwarts School. Make your own wands, glup, and other slimy potions.	\$85
Cool Chemistry	8-10 years	Conduct experiments with crazy colors, candy, crystals, gases, soap, slime, and so much more!	\$85
Martial Arts Survival Scout	8-12 years	This outdoor adventure will cover basic survival, fitness, and martial arts skills. Participants should wear long pants and sturdy shoes.	\$85
Video Game Design; Creative Coding and Programming <b>NEW</b>	10-12 years	Learn coding and programming skills to create your own games and animations.	\$90
Step it Up! Sculpture with a Purpose!	8-12 years	Create unique sculpture using wire, paper, polymer clay, and more.	\$85
Engineering Explorers with 3D Printers <b>NEW</b>	10 years & up	Explore plastics, software, electrical, and materials engineering fields using CAD programming and Makerbot 3D printers. Experiment with thermoforming, stress-testing, and more.	\$105
Batter Battles	10 years & up	Batter up! Combine fun colors, flavors, and creative designs to create one-of-a-kind delights.	\$85

Week 5:  
**JULY 17–21**

Go to [behrend.psu.edu/kids](http://behrend.psu.edu/kids)  
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Class Name	Age Group	Class Description	Price
<b>Mornings</b>			
Creative Coding and Programming: An Introduction to Video Game Design	6-8 years	Learn basic coding and programming skills to create your own games and animations.	\$90
Journey to the Art of Drawing	6-8 years	Experience the wonders of drawing while you learn new techniques to become a better artist.	\$85
Beginner Model Rocketry	8-10 years	Experience the thrill of designing, building, and launching your own reusable model rockets.	\$95
Constellation Fun <b>NEW</b>	8-10 years	Explore Penn State Behrend's Yahn Planetarium, observatories, and telescopes to discover the wonders of space!	\$85
Lights, Camera, iMovie	8-12 years	Learn methods of photography, videography, and story boarding while making movies on your iPad using iMovie. Participants must bring their own iPad with iMovie installed.	\$85
Kids with Cake	8-12 years	Design, construct, and decorate your own cake masterpiece.	\$85
Stain Glass Mosaic <b>NEW</b>	10 years & up	Create your own beautiful stained glass mosaic masterpiece.	\$90
Engineering with Rube Goldberg STEAM Machines	10 years & up	Using the STEAM Machines program, participants will learn and apply the engineering design process to build chain-reaction STEAM Machines.	\$85
3D Video Game Design with Kodu	12 years & up	Learn the key elements of game design. Build 3D worlds while creating your own video game.	\$105
<b>Afternoons</b>			
Cake Wars	6-8 years	Design and decorate your own cake masterpiece while learning about measuring and baking techniques.	\$85
Backyard Camp Out	6-8 years	Have fun hiking, making a tent, gathering firewood, creating camp crafts, and participating in a "night experience" at the Yahn Planetarium.	\$85
Creative Coding and Programming; An Introduction to Video Game Design	8-10 years	Learn basic coding and programming skills to create your own games and animations.	\$90
Drawing Adventures	8-10 years	Improve your artwork using new techniques. Advance to the next level and learn to make your artwork look real.	\$85
Beginner Model Rocketry	10-12 years	Experience the thrill of designing, building, and launching your own reusable model rockets.	\$95
Acting for the Stage 2	8-12 years	Advance your acting skills with warm ups, character building, and group activities.	\$85
Intro to DC Circuits	10 years & up	Learn basic fundamentals of DC circuits. Design and test simple circuits on breadboards, which participants will keep.	\$105
The Art of Beach Glass Jewelry and Crafts	10 years & up	Learn how to drill beach glass and wrap wire to create jewelry and other crafts from materials found during your journey to the shores of Lake Erie.	\$90
Intro to JAVA Programming	12 years & up	Learn to create JAVA programs, a programming language used in web pages, cell phones, apps, and more.	\$85

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Week 6:  
**JULY 24–28**

Go to [behrend.psu.edu/kids](http://behrend.psu.edu/kids)  
for **full class descriptions** and  
to register



Class Name	Age Group	Class Description	Price
<b>Mornings</b>			
Under the Sea	6-8 years	Future marine biologists come investigate ocean life in hands-on learning opportunities and art projects.	\$85
Website Design <b>NEW</b>	6-8 years	Create your own website using various Web 2.0 tools and design concepts.	\$85
Cookie Crush <b>NEW</b>	8-10 years	Make several kinds of delicious cookies while learning about measuring and baking techniques.	\$85
S.T.E.A.M. p.u.n.k.	8-10 years	Explore the worlds of Science, Technology, Engineering, Art, and Math with unique, hands-on projects from each field. Science -Technology- Engineering -Art and Math Produces Undauntable Noble Kids.	\$85
Introduction to Robotics	10-12 years	Experiment with and program the LEGO® MINDSTORMS® system, VEX® Robotics Kits, TriBot, Robosapien, Jitter Bot, MIP, and more.	\$85
Guitar 101 <b>NEW</b>	8-12 years	No guitar, no problem! Use one of ours to gain a solid foundation and learn to play a basic song.	\$85
Advanced Drawing	10 years & up	Improve your drawing skills to create more realistic artwork.	\$85
CSI-Crime Scene Investigations!	10 years & up	Learn how science is used to solve crime by using experimental techniques in a laboratory-based setting.	\$85
<b>All day (9:00 a.m. to 4:00 p.m.)</b>			
Minecraft Stop Motion Video Animation	10 years & up	Create your own polymer clay Minecraft figures and background props and watch them come to life using computers, animation software, cameras, and lights.	\$170
<b>Afternoons</b>			
Origami	6-8 years	Create 3D origami art pieces such as boxes, animals, and mobs.	\$85
Slimy Science	6-8 years	Explore scientific principals as you make slime and use gummy worms to conduct hands-on experiments.	\$85
Cooking Kids <b>NEW</b>	8-10 years	Learn the importance of kitchen safety while making some simple recipes.	\$85
My Doll and Me Part 2 <b>NEW</b>	7-10 years	Create new accessories for your favorite 18" doll, so she can host a movie night, pizza party, or fashion show!	\$85
Website Design	8-10 years	Create your own website using various Web 2.0 tools and design concepts.	\$85
Martial Arts Survival Scout	8-12 years	This outdoor adventure will cover basic survival, fitness, and martial arts skills. Participants should wear long pants and sturdy shoes.	\$85
String Art: Using Mathematics and Science <b>NEW</b>	10 years & up	Use parabolas and other geometric concepts to create 2D and 3D designs and discover how science is involved in the methods of creative sculpture.	\$85
Intermediate Robotics	11 years & up	Step up to the next robotics challenge using the LEGO® MINDSTORMS® system and VEX® Robotics Kits.	\$90

Penn State encourages qualified persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodations or have questions about the physical access provided, please contact Sonya Smith at 814-898-6754 in advance of your participation or visit.

This publication is available in alternative media upon request.

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## PENN STATE BEHREND SPORTS CAMPS



Looking for more great summer activities? Check out our expert instruction from varsity coaches.

Call 814-898-6240 for registration information and a brochure or visit [psblions.com](http://psblions.com).

College for Kids 2017  
Youth Education Outreach  
Burke Center  
5101 Jordan Road  
Erie, PA 16563-1701



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Behrend

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### NEED SUMMER READING IDEAS?



Stop in the Penn State Behrend Bookstore and check out the "Want to Know More?" section, where you will find books tied to CFK

classes that offer project ideas and interesting reading. The bookstore is to the left as you enter the Reed Union Building.

## COLLEGE FOR KIDS

**JUNE 12–JULY 28, 2017**

- Hands-on classes offer exciting activities
- Six one-week sessions
- For ages 6 to 14
- No classes July 3–7
- Classes fill quickly!

**24th**  
ANNUAL  
SUMMER  
PROGRAM



**PennState**  
Behrend

Register online at [behrend.psu.edu/kids](http://behrend.psu.edu/kids) beginning Wednesday, April 26. Mastercard, Visa, Discover, and American Express accepted.