Online!
More classes! More ages! Lower cost!

- Over 200 online academies
- Pre-K–Rising 9th grade
- New lower price
Please note:
We appreciate your patience while we transition as many academies as possible to online classes. We are working as fast as we can to complete this new ONLINE catalog and will publish it as we go along. In the meantime, to view academies in weeks 4 through 12 visit our online registration system now.

All academies listed in this catalog are hyperlinked to the online registration system. Just click on the academy title to be taken to the registration page. In some cases there is additional academy information about needed class materials.

Previously Registered Students:
If you registered for summer 2020 classes prior to April 30th, please complete the following form so we can assist you with this transition. For instructions on how to transfer previously registered students into online classes visit our new previously registered students instruction form.

Questions?
Don’t hesitate to email us at kidscollege@pvcc.edu with any questions.
KidsCollege ONLINE
June 1–Aug. 28 | Pre-K–9th Graders

Ages: Rising Pre-K–9th grade.
Location: ONLINE
Academy fee: $99–$159 per academy.
Scholarships: Partial scholarships based on financial need. Visit our Scholarship webpage for more information.

Instructor Bios
Visit our website to view this year’s instructors and their bios.

Instructional Partners

Black Rocket
Black Rocket has over a decade of experience designing and instructing STEAM (Science, Technology, Engineering, Arts-Mathematics) Academies. Every academy is powered by the student’s innate imagination and designed to bring their ideas to life in a fun, hands-on, learning environment. From concept to creation, students’ collaborative design process mirrors real life experiences.

Drobots Company
Drobots Company inspires students to utilize drone technology through collaborative project-based learning in a positive educational environment. The drone industry is experiencing exponential growth! Drobots fosters this new technological landscape with a unique curriculum, safety as the number-one priority, and well-trained, positively motivated instructors.

Community Homeschool Enrichment Center
The Community Homeschool Enrichment Center (CHEC) supports homeschool families by offering courses for children age 5 to 18. Our students are bright, curious, and enjoy following their passions – wherever they may lead. CHEC offers a wide variety of classes that are fun, educational, and social, reflecting the imagination of our instructors and students.
## WEEK 1: JUNE 1–5

### morning academies

<table>
<thead>
<tr>
<th>AGE</th>
<th>CLASS #</th>
<th>TIME</th>
<th>ACADEMY NAME</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-K</td>
<td>16740</td>
<td>8:30 a.m. *</td>
<td>Dr. Seuss is on the Loose</td>
<td>Drobot Company</td>
</tr>
<tr>
<td>1st–2nd</td>
<td>16741</td>
<td>8:30 a.m. *</td>
<td>Adventures in Home Engineering</td>
<td>Drobot Company</td>
</tr>
<tr>
<td>1st–2nd</td>
<td>15523</td>
<td>8:45 a.m.–noon</td>
<td>Dr. Seuss Stop Motion</td>
<td>Theresa Osani</td>
</tr>
<tr>
<td>1st–2nd</td>
<td>15514</td>
<td>8:45 a.m.–noon</td>
<td>Fairy Gardens</td>
<td>Joyce Carter</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>16742</td>
<td>8:30 a.m. *</td>
<td>Master Magic Performance</td>
<td>Drobot Company</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>15611</td>
<td>8:45 a.m.–noon</td>
<td>Lotus Roots &amp; Bamboo Shoots</td>
<td>Ruei-Jen Fan</td>
</tr>
<tr>
<td>6th–9th</td>
<td>15444</td>
<td>8:45 a.m.–noon</td>
<td>Creative Build &amp; Design Challenge</td>
<td>Keith Brown</td>
</tr>
</tbody>
</table>

* Class times vary. Please click class link to view times.

### afternoon academies 1–4:15 p.m.

| 1st–2nd | 15525  | 1–4:15 p.m. | Fairy Tales Reimagined              | Theresa Osani   |
| 3rd–6th | 15445  | 1–4:15 p.m. | Are there 101 Different Solar Cookers? | Keith Brown     |
| 3rd–6th | 15446  | 1–4:15 p.m. | CSI Detectives                      | Joyce Carter    |
| 6th–9th | 15612  | 1–4:15 p.m. | Decode Your Genes                   | Ruei-Jen Fan    |

### WEEK 1: JUNE 1–5

#### morning academies

**16740**

**Dr. Seuss is on the Loose**

Join Thing One and Thing Two and step into the wonderful world of Dr. Seuss! Let’s work and play together all week long to discover all of the amazing adventures that Dr. Seuss has in store. Can you find the Cat in the Hat as he sneaks between camper’s houses? Campers will work together to solve puzzles, create fun names for mythical creatures, and make their very own Truffula Tree!

**Pre/K** $149

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16741

**Adventures in Home Engineering**

From simple Rube Goldberg Machines to complex autonomous systems, test your skills as an engineer in this exciting and creative camp! Explore the science of space and shape. Sketch, plan, and build model bridges, skyscrapers, railways, and much more. Test your projects to see how much strain they can take before they crumble to the ground.

**Rising 1st–2nd** $149
Week 1: June 1–5

**morning academies**

### Dr. Seuss Stop Motion

Get ready to immerse yourself in the many worlds of Dr. Seuss. Whether it's a whirl through Whoville or a swing among Truffula Trees, you will recreate Seuss-tacular worlds and characters using different artistic modes of expression, including stop motion. Each day, you will listen to a different story and choose one exciting medium to explore. You will create stop motion videos and also utilize traditional art materials such as clay to reimagine the whimsical worlds of Seuss.

**Rising 1st-2nd**

$99

### Fairy Gardens

What does a fairy or gnome garden look like? That’s up to you! You will be challenged to design and build your very own fairy and gnome gardens. You will create homes, toys, gardens and other decor for your gardens out of recyclable materials.

**Rising 1st-2nd**

$99

### Master Magic Performance Camp

Abra Kadabra Alakazam, let’s join Magic Camp as fast as we can! In this awesome program we will be exploring the amazing world of close up magic! Learn to hide cards, make coins disappear and even read the minds of your audience. Prepare to come up with your magic name, put together a show, and perform for your friends and family!

**Rising 3rd-6th**

$184

*Program Specific Kit for $35 included in price for class. This kit will be mailed to you prior to the start date for the class.*

### Lotus Roots & Bamboo Shoots

YUM! You will become familiar with common Chinese ingredients such as: rice, bok-choy, and tofu. You will also have a chance to work with unfamiliar ingredients such as bitter melon, lotus roots and bamboo shoots. Skills like stir frying, braising different traditional dishes, deep frying and steaming various vegetables using a wok and various Chinese cooking utensils will be taught. In the final class, as a small celebration we will even make our own bubble tea!

**Rising 3rd-6th**

$129

### Creative Build & Design Challenges

How creative is your team? Put your brains together to solve a fascinating problem by building, designing, or imagining the perfect solution! Some challenges may be building a launcher or creating a strong bridge or an unsinkable ship. While having fun, learn physics and basic engineering techniques to improve your designs.

**Rising 6th-9th**

$99

### Fairy Tales Reimagined

You grew up hearing fairy tales that begin with “Once upon a time...” and usually ending with a royal couple riding off into the sunset. But what if the princess wanted to marry someone else? Your imagination and creativity are needed as we reimagine fairy tales that are way better than a typical happily-ever-after in a world where anything is possible. After immersing ourselves in some classic fairy tales and watching parts of retold fairy tales, we will reinvent these plotlines with new twists and turn them into an art display or a fun skit. Think Shrek or The Paperbag Princess.

**Rising 1st-2nd**

$99
Week 1: June 8–12

15445  
Are there 101 Different Solar Cookers?

Maybe! Use your imagination and foil, Pringles cans, or boxes to design real functioning solar cookers. Depending on how clever your cooker is, you may be able to roast marshmallows, cook s’mores, or even roast hot dogs. You will learn about renewable energy, solar energy technology uses, and how much heat solar energy can produce.

Rising 3rd-6th  $99

15446  
CSI Detectives

Sharpen your investigative and detective skills and work with your team of detectives to solve a mysterious crime. Students will thoroughly analyze the crime scene and conduct labs to solve the mystery through photos, measurements, DNA, fingerprints, chromatography, and pH analysis. Through team work and labs, you will be a true investigator as you solve the mystery.

(For all returning detectives, this year’s crime will be different from last year’s.)

Rising 3rd-6th  $99

15612  
Decode Your Genes

Do you know your genes and DNA? In this class you will build a DNA model, extract DNA from your own cells and from plants. Then, you will amplify the DNAs that you have extracted and use computers to analyze DNA sequences and create phylogenetic trees to display genetic and evolutionary relationships. You will be immersed in an environment of hands-on activities and laboratory experiments designed to enhance your genetic knowledge, encourage critical thinking, and spark interest in the field of biotechnology.

Rising 6th–9th  $129

Week 2: June 8–12  
morning academies

16789  
Mini Minions

Come and join our Mini Minions for a week as we celebrate the release of Minions: The Rise of Gru. Campers will practice their Minionese language skills and go on a virtual scavenger hunt to track down the elusive Gru. By the end of the week, all of our Mini Minions will make costumes and compete in Gru’s Academy of Mischief to see if they have what it takes to be a true Minion.

Pre-K  $149

16791  
Artful Antics

Prep your pallet, sharpen your pencils, and get ready to create! Flex the right side of your brain as we explore the visual arts in another awesome week at camp. Get ready to spend the week learning about and creating a multitude of artforms to prepare a showcase for all to see at the summer camp art gallery on Friday!

Rising 1st-2nd  $149

15538  
Art Through Multi Modes

Digital Flipbooks! Word Art Self-Portraits! Watch your drawing come to life! Are you ready to create tons of digital masterpieces? If so, this is the class for you. Here, you’ll create art as you’ve never seen before.

Rising 1st-2nd  $99

15536  
Jewelry Making

How does a jeweler create such beautiful pieces? It’s time to find out! You will become the jewelry artisan. You will create necklaces, bracelets, earrings and rings using various mediums for your supplies.

Rising 3rd-6th  $99
## WEEK 2: JUNE 8–12

<table>
<thead>
<tr>
<th>AGE</th>
<th>CLASS #</th>
<th>TIME</th>
<th>ACADEMY NAME</th>
<th>INSTRUCTOR</th>
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<tbody>
<tr>
<td><strong>morning academies</strong></td>
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<td></td>
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</tr>
<tr>
<td>Pre-K</td>
<td>16789</td>
<td>8:45 a.m.–noon</td>
<td>Mini Minions</td>
<td>Drobot Company</td>
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<td>8:45 a.m.–noon</td>
<td>Artful Antics</td>
<td>Drobot Company</td>
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<tr>
<td>1st–2nd</td>
<td>15538</td>
<td>8:30 a.m.*</td>
<td>Art Through Multi Modes</td>
<td>Theresa Osani</td>
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<tr>
<td>3rd–6th</td>
<td>15536</td>
<td>8:30 a.m.*</td>
<td>Jewelry Making</td>
<td>Joyce Carter</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>15447</td>
<td>8:30 a.m.*</td>
<td>STEM Transportation</td>
<td>Keith Brown</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>15592</td>
<td>8:45 a.m.–noon</td>
<td>Studio Art Workshop</td>
<td>S. Taylor–Lascano</td>
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<tr>
<td>3rd–6th</td>
<td>16732</td>
<td>8:45 a.m.–noon</td>
<td>Make Your First Video Game!</td>
<td>Black Rocket</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>16765</td>
<td>8:30 a.m.*</td>
<td>Master Magic Performance Camp</td>
<td>Drobot Company</td>
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<tr>
<td>3rd–6th</td>
<td>16623</td>
<td>9:30 a.m.–12:30</td>
<td>Python Programmers</td>
<td>Megan Bailey</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>16524</td>
<td>9:30 a.m.–12:30</td>
<td>Battle Royale: Make Your First Fortnite ®</td>
<td>Black Rocket</td>
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<tr>
<td>6th–9th</td>
<td>16770</td>
<td>8:30 a.m.*</td>
<td>Create &amp; Host Your Own ESPN Sports</td>
<td>Drobot Company</td>
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<tr>
<td>6th–9th</td>
<td>15545</td>
<td>8:45 a.m.–noon</td>
<td>Carnival Chaos</td>
<td>Megan Bailey</td>
</tr>
<tr>
<td>6th–9th</td>
<td>15541</td>
<td>8:45 a.m.–noon</td>
<td>Cooking Breakfast</td>
<td>Christina Rizzo</td>
</tr>
<tr>
<td>6th–9th</td>
<td>16558</td>
<td>9:30 a.m.–12:30</td>
<td>eSports Apprentice: Streamers &amp; Gamers</td>
<td>Black Rocket</td>
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<tr>
<td>6th–9th</td>
<td>16760</td>
<td>9:30 a.m.–12:30</td>
<td>Minecraft Redstone Engineers</td>
<td>Black Rocket</td>
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<tr>
<td>6th–9th</td>
<td>16525</td>
<td>9:30 a.m.–12:30</td>
<td>ROBLOX ® Makers</td>
<td>Black Rocket</td>
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<tr>
<td>1st–2nd</td>
<td>15543</td>
<td>1–4:15 p.m.</td>
<td>Digital Animation: Watch Your Drawings</td>
<td>Theresa Osani</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>15576</td>
<td>1–4:15 p.m.</td>
<td>3D Printed Action Figures</td>
<td>Haverkamp</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>15448</td>
<td>1–4:15 p.m.</td>
<td>Science Meets Art</td>
<td>Keith Brown</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>15450</td>
<td>1–4:15 p.m.</td>
<td>STEM Toy Making</td>
<td>Joyce Carter</td>
</tr>
<tr>
<td>3rd–6th</td>
<td>16559</td>
<td>1:30–4:30 p.m.</td>
<td>eSports Apprentice: Streamers &amp; Gamers</td>
<td>Black Rocket</td>
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<td>3rd–6th</td>
<td>16751</td>
<td>1:30–4:30 p.m.</td>
<td>Minecraft Redstone Engineers</td>
<td>Black Rocket</td>
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<td>3rd–6th</td>
<td>16527</td>
<td>1:30–4:30 p.m.</td>
<td>ROBLOX ® Makers</td>
<td>Black Rocket</td>
</tr>
<tr>
<td>6th–9th</td>
<td>15544</td>
<td>1–4:15 p.m.</td>
<td>Baking 101</td>
<td>Christina Rizzo</td>
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<tr>
<td>6th–9th</td>
<td>15548</td>
<td>1–4:15 p.m.</td>
<td>The Science of Flying</td>
<td>Louis Torkornoo</td>
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<tr>
<td>6th–9th</td>
<td>16736</td>
<td>1:30–4:30 p.m.</td>
<td>Make Your First Video Game!</td>
<td>Black Rocket</td>
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<tr>
<td>6th–9th</td>
<td>16624</td>
<td>1:30–4:30 p.m.</td>
<td>Python Programmers</td>
<td>Black Rocket</td>
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<tr>
<td>6th–9th</td>
<td>16728</td>
<td>1:30–4:30 p.m.</td>
<td>Battle Royale: Make Your First Fortnite ®</td>
<td>Black Rocket</td>
</tr>
</tbody>
</table>

* Class times vary. Please click class link to view times.
Week 2: June 8-12

15447
**STEM Transportation**
Can you create an unusual and unique mode of transportation that moves? You will be given different materials each day for your creations. You will learn about wind power and water power and create wind-powered boats, cars, planes and paddle boats.
*Rising 3rd-6th*
$99

15592
**Studio Art Workshop**
Are you ready to paint, sculpt, smear, tear, blend, bend and glue? You will choose one exciting medium per day to explore, experiment and create artwork. The materials used throughout the week include chalk, watercolor, collage, sculpture and printmaking. The skills include elements of design, including engineering, contrast and composition. You will have an opportunity to choose, edit and prepare your favorite pieces to show at an exhibition at the end of the week. Be sure to wear clothing that can get stained!
*Rising 3rd-6th*
$99

16732
**Make Your First Video Game!**
If you love playing video games, this is the camp for you! Make your first video game in this one-of-a-kind class that shows you the keys to designing your first 2D platformer game. Conceptualization, play experience, level design, graphics, sounds, and simple coding are just some of the concepts that we’ll explore. No prior experience necessary, just a desire to have fun. Student projects will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers, Mac versions can be created after the program for $15 conversion fee. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.
*Compatible with Windows OS only.*
*Rising 3rd-6th*
$149

16765
**Master Magic Performance Camp**
Abra Kadabra Alakazam, let’s join Magic Camp as fast as we can! In this awesome program we will be exploring the amazing world of close up magic! Learn to hide cards, make coins disappear and even read the minds of your audience. Prepare to come up with your magic name, put together a show, and perform for your friends and family! Zippity Tah, Zippity Zoo... Now We’ll See You Soon!
*Rising 3rd-6th*
$184

16623
**Python Programmers**
Want to learn the world’s fastest-growing programming language favored by Google, NASA, Youtube, and the CIA? Learn how to code with Python to create engaging apps and games. Each lesson takes you step-by-step on a programming path that will let you challenge friends with fun content you create from start to finish!? Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.
*$10 license fee per student with this class*  
*Compatible with MAC, Windows and Chrome OS.*
*Rising 3rd-6th*
$159
16524

**Battle Royale: Make Your First Fortnite® Style Video Game**

Fans of Fortnite we need you! Instead of playing the game, design your own. Using a professional 3D game development software, build levels and assets inspired by popular battle royale games like Fortnite. You can participate in eSports League matches against other schools across the country with a chance to have your levels featured in the Black Rocket master build of the game! This course includes cartoonish action and battle sequences. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

*This requires a 64-bit operating system.

*Compatible with MAC and Windows OS only.

**Rising 3rd-6th** $149

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16770

**Create & Host Your Own ESPN Sports Highlight Show**

In sports, there was a time when coaching, management, and decision-making came down to instinct, experience and tradition. Over the last 20 years, statistical analysis has become the new normal for sports teams. This summer, you will have the opportunity to develop skills in sports analytics, become a truly knowledgeable sports fan, improve your skills in fantasy sports, and maybe launch a career in the world of sports one day! The hit movie Moneyball opened the eyes to the world of sports statistics and challenged everyone on how to simply think differently. Now middle and high school students are learning how to dissect video footage to analyze their favorite sports teams. Develop public speaking, writing, recording and editing skills. Now is your opportunity to learn more about how coaches and general managers of sports teams analyze their teams and players. During this camp, you will have the opportunity to pick your favorite sports team or player and put together a portfolio and analysis on how best they can improve.

**Rising 6th-9th** $149

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15545

**Carnival Chaos**

Everybody wins! Or do they? How do the rides stay balanced? The secret answer is in the math. Math is all around us, especially in the games and rides we love so much. But don’t worry! You’ll spend most of your time designing and building your own carnival games and rides. You will be able to determine the proper ramp angle, the probability of winning your game and the right trajectory for moving parts. Each day you will design and build prototypes of carnival rides, such as Ferris wheels and roller coasters and games like skee ball. The end will be a KidsCollege carnival for you to enjoy!

**Rising 6th-9th** $149
**Cooking Breakfast**

They say breakfast is the most important meal of the day. Join us to find out why we agree! Parents and kids will learn how to make eggs at least 6 different ways along with all the breakfast meats and potatoes that go oh-so well with them. We will also explore some pancakes and French toast recipes that are not at all boring and make some yummy cinnamon rolls. This academy will cover basic food safety principles, knife usage and safety in the kitchen, as well as basic food preparation.

**Rising 6th-9th**  $99

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**Minecraft Redstone Engineers**

Take the next step beyond simply “playing” Minecraft and become a true Redstone engineer. Expand your Redstone knowledge by constructing your own carnival with a variety of mini-games, roller coasters, and attractions powered by Redstone. Learn how to use Command and Structure blocks to incorporate them into your builds. Activate your skills and take your Minecraft structures to the next level! Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Students will work in pairs or teams for most of the program.

*Compatible with MAC and Windows OS only.

**Rising 6th-9th**  $149

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**eSports Apprentice: Streamers & Gamers**

Whether you want to be the next pro gamer, streamer, or gamecaster this course will teach you the basics to get started! No longer just a hobby, eSports is the fastest-growing career for the next generation. Over 400 million people watched YouTube videos and Twitch streams of video game competitions this year alone! In this course, students will develop game-play skills and compete using Black Rocket’s eSports games and apps, learn how to produce commentary for live tournaments, use professional streaming software, and most importantly practice online safety. Student recordings will be available on a password protected website to share with friends and family. Students will work in pairs or teams for most of the program. Videos will not be broadcast publicly but will be shared with all students in the class.

Ages: 8-11 and 11-14

*Compatible with MAC and Windows OS only.

**Rising 6th-9th**  $149

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**ROBLOX ® Makers**

Unlock the power of ROBLOX® Studio, the world creation tool used by real-world ROBLOX® developers! Learn how to build 3D models and create an adventure in your ROBLOX® world. Bring characters to life with unique animations you design. Student-created projects will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

*Compatible with MAC and Windows OS only.

**Rising 6th-9th**  $149
afternoon academies 1–4:15 p.m.

15543

**Digital Animation: Watch Your Drawings Come Alive!**

Art and animation join forces in this epic class. Are you a young animator? Well, you’ve found the right class because here you will transform your drawings into live animation with powerful tools that are easy and fun to use. Whether you choose the drawing editor to create artwork or frame-by-frame animations, you’ll be amazed how, along with props, you can create sophisticated and complex scenes.

**Pre-K $99**

15576

**3D Printed Action Figures**

Pow! You will make original 3D printed action figures with working joints so their arms and legs move! Learn how to solve mechanical engineering challenges while being expressive and creative. You will also learn concepting and interactive design to arrive at unique character visions.

**Computer Requirements:** Students must use a Mac or PC. This program cannot run on a tablet, iPad or phone.

**Rising 3rd-6th $99**

Week 2: June 8–12

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**Following us on Social Media**

See all the latest KidsCollege photos and news at [www.facebook.com PVCCYouthPrograms/](http://www.facebook.com PVCCYouthPrograms/) [twitter.com/pvccwfs](http://twitter.com/pvccwfs) [www.instagram.com/pvccwfs/](http://www.instagram.com/pvccwfs/)

Check online for the latest information on NEW summer KidsCollege Academies and program developments at: [www.pvcc.edu/kidscollege](http://www.pvcc.edu/kidscollege).
15448

Science Meets Art

Can you imagine doing a science and art project at the same time? These unusual and fun projects might include oil and water painting and chromatography art. You will learn about the density of water and oil and then create unusual art projects based on what you learn. Your artistic abilities and scientific knowledge will be used to create rainbow paper, glue and salt painting, water art and chromatography art.

Rising 3rd–6th $99

15450

STEM Toy Making

Everyone loves toys but how do you make them? You will learn how to create marble mazes, stick rockets, kaleidoscopes, vortex cannons, balancing robots and bottle rockets. You will need to work collaboratively with your team to design and engineer the toys that you create.

Rising 3rd–6th $99

16559

ของเขา Minecraft Redstone Engineers

Take the next step beyond simply “playing” Minecraft and become a true Redstone engineer. Expand your Redstone knowledge by constructing your own carnival with a variety of mini-games, roller coasters, and attractions powered by Redstone. Learn how to use Command and Structure blocks to incorporate them into your builds. Activate your skills and take your Minecraft structures to the next level! Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Students will work in pairs or teams for most of the program.

*Compatible with MAC and Windows OS only.

Purchase Minecraft Java Edition

Rising 3rd–6th $149

16527

ROBLOX ® Makers

GraphicUnlock the power of ROBLOX® Studio, the world creation tool used by real-world ROBLOX® developers! Learn how to build 3D models and create an adventure in your ROBLOX® world. Bring characters to life with unique animations you design. Student-created projects will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

*Compatible with MAC and Windows OS only.

Rising 3rd–6th $149
Baking 101

Have you ever dreamed of being a pastry chef or maybe you just want to learn how to bake? This basic baking class will help you achieve those dreams. You will learn the chemistry behind what makes baking a true science. Join us in making cakes from scratch and decorating them, learning how to make yeast rolls, cookies, pies, and quick breads such as biscuits and muffins. This academy will cover basic food safety principles, knife usage, safety in the kitchen and basic food preparation.

Rising 6th-9th $99

The Science of Flying

Ever wanted to build a model RC airplane from its parts and watch it take flight? Perhaps you’re a pro, or a beginner, at building and designing paper airplanes? Come join me and your friends as we assemble individual parts, complete the electrical and mechanical engineering components required to make your RC airplane soar through the air. You will discover how the size of the wings affect the lift, how jet propulsion works and the science behind propellers and the overall flight. Perhaps you’ve wondered how such a heavy airplane can float in the air. This is your chance to discover the answers.

Rising 6th-9th $149

Make Your First Video Game!

If you love playing video games, this is the camp for you! Make your first video game in this one-of-a-kind class that shows you the keys to designing your first 2D platformer game. Conceptualization, play experience, level design, graphics, sounds, and simple coding are just some of the concepts that we’ll explore. No prior experience necessary, just a desire to have fun. Student projects will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers, Mac versions can be created after the program for $15.00 conversion fee. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

*Compatible with Windows OS only.

Rising 6th-9th $149

Python Programmers

Want to learn the world’s fastest-growing programming language favored by Google, NASA, Youtube, and the CIA? ?Learn how to code with Python to create engaging apps and games. Each lesson takes you step-by-step on a programming path that will let you challenge friends with fun content you create from start to finish!? Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years?.

*$10 license fee per student with this class

*Compatible with MAC, Windows and Chrome OS.

Rising 6th-9th $159
**Battle Royale: Make Your First Fortnite ® Style Video Game**

Fans of Fortnite we need you! Instead of playing the game, design your own. Using a professional 3D game development software, build levels and assets inspired by popular battle royale games like Fortnite. You can participate in eSports League matches against other schools across the country with a chance to have your levels featured in the Black Rocket master build of the game! This course includes cartoonish action and battle sequences. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

*This requires a 64-bit operating system.*

**Game Show Mania**

Day campers are on a mission to find the most exciting and rare animals in the jungle. Campers will crawl through the tall grass and peer at some of nature’s most magnificent creatures. We will be making our own binoculars, field guides, and safari hats before heading out on a one-of-a-kind camp adventure.

**Create & Host Your Own ESPN Sports Highlight Show**

In sports, there was a time when coaching, management, and decision-making came down to instinct, experience and tradition. Over the last 20 years, statistical analysis has become the new normal for sports teams. This summer, you will have the opportunity to develop skills in sports analytics, become a truly knowledgeable sports fan, improve your skills in fantasy sports, and maybe launch a career in the world of sports one day! The hit movie Moneyball opened the eyes to the world of sports statistics and challenged everyone on how to simply think differently. Now middle and high school students are learning how to dissect video footage to analyze their favorite sports teams. Develop public speaking, writing, recording and editing skills. Now is your opportunity to learn more about how coaches and general managers of sports teams analyze their teams and players. During this camp, you will have the opportunity to pick your favorite sports team or player and put together a portfolio and analysis on how best they can improve.

**Super Safari**

Day campers are on a mission to find the most exciting and rare animals in the jungle. Campers will crawl through the tall grass and peer at some of nature’s most magnificent creatures. We will be making our own binoculars, field guides, and safari hats before heading out on a one-of-a-kind camp adventure.
**WEEK 3: JUNE 15-19**

<table>
<thead>
<tr>
<th>AGE</th>
<th>CLASS #</th>
<th>TIME</th>
<th>ACADEMY NAME</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>morning academies</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-K</td>
<td>16744</td>
<td>8:30 a.m.*</td>
<td>Super Safari (Pre-K)</td>
<td>Drobots Company</td>
</tr>
<tr>
<td>1st-2nd</td>
<td>16745</td>
<td>8:30 a.m.*</td>
<td>Game Show Mania</td>
<td>Drobots Company</td>
</tr>
<tr>
<td>3rd-6th</td>
<td>16771</td>
<td>8:30 a.m.*</td>
<td>Create &amp; Host Your Own ESPN Sports</td>
<td>Drobots Company</td>
</tr>
<tr>
<td>3rd-6th</td>
<td>15550</td>
<td>8:45 a.m.-noon</td>
<td>Engineering Feats: Bridges &amp; Tunnels</td>
<td>Megan Bailey CHEC</td>
</tr>
<tr>
<td>3rd-6th</td>
<td>15673</td>
<td>8:45 a.m.-noon</td>
<td>Studio Art Workshop</td>
<td>Shari Taylor-Lascano</td>
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<tr>
<td>3rd-6th</td>
<td>16572</td>
<td>9:30 a.m.-12:30 p.m.</td>
<td>3D Game Design with Unity</td>
<td>Black Rocket</td>
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<tr>
<td>3rd-6th</td>
<td>16597</td>
<td>9:30 a.m.-12:30 p.m.</td>
<td>Minecraft Modders</td>
<td>Black Rocket</td>
</tr>
<tr>
<td>3rd-6th</td>
<td>16608</td>
<td>9:30 a.m.-12:30 p.m.</td>
<td>Video Game Animation</td>
<td>Black Rocket</td>
</tr>
<tr>
<td>6th-9th</td>
<td>15593</td>
<td>8:45 a.m.-noon p.m.</td>
<td>Fiscal Fit Camp: Dollars and Cents</td>
<td>Y. Webb-Jordan</td>
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<tr>
<td>6th-9th</td>
<td>16582</td>
<td>9:30 a.m.-12:30 p.m.</td>
<td>JavaScript Developer Jam</td>
<td>Black Rocket</td>
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<tr>
<td>6th-9th</td>
<td>16635</td>
<td>9:30 a.m.-12:30 p.m.</td>
<td>ROBLOX® Coders &amp; Entrepreneurs!</td>
<td>Black Rocket</td>
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<tr>
<td>6th-9th</td>
<td>16531</td>
<td>9:30 a.m.-12:30 p.m.</td>
<td>YouTube Content Creators</td>
<td>Black Rocket</td>
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<tr>
<td>afternoon academies 1–4:15 p.m.</td>
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<td></td>
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</tr>
<tr>
<td>3rd-6th</td>
<td>15662</td>
<td>1–4:15 p.m.</td>
<td>Delicious Science</td>
<td>Caitlin Poole</td>
</tr>
<tr>
<td>3rd-6th</td>
<td>16583</td>
<td>1:30–4:30 p.m.</td>
<td>JavaScript Developer Jam</td>
<td>Black Rocket</td>
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<tr>
<td>3rd-6th</td>
<td>16636</td>
<td>1:30–4:30 p.m.</td>
<td>ROBLOX® Coders &amp; Entrepreneurs!</td>
<td>Black Rocket</td>
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<tr>
<td>3rd-6th</td>
<td>16532</td>
<td>1:30–4:30 p.m.</td>
<td>YouTube Content Creators</td>
<td>Black Rocket</td>
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<tr>
<td>6th-9th</td>
<td>15553</td>
<td>1–4:15 p.m.</td>
<td>Time to Play: Dungeons &amp; Dragons</td>
<td>Teela James CHEC</td>
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<tr>
<td>6th-9th</td>
<td>16573</td>
<td>1:30–4:30 p.m.</td>
<td>3D Game Design with Unity</td>
<td>Black Rocket</td>
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<tr>
<td>6th-9th</td>
<td>16599</td>
<td>1:30–4:30 p.m.</td>
<td>Minecraft Modders</td>
<td>Black Rocket</td>
</tr>
<tr>
<td>6th-9th</td>
<td>16613</td>
<td>1:30–4:30 p.m.</td>
<td>Video Game Animation</td>
<td>Black Rocket</td>
</tr>
</tbody>
</table>

* Class times vary. Please click class link to view times.

15550

**Engineering Feats: Bridges & Tunnels**

Have you ever wondered how they build bridges? Our world is filled with bridges, tunnels and other engineering feats. How do engineers create these bridges so they don’t collapse? How can we drive through a tunnel underwater? We will explore these structures - new and old, concrete and natural - and the steps involved to create them through hands-on projects.

**Rising 3rd-6th**  

$149
16573

**Studio Art Workshop**

Are you ready to paint, sculpt, smear, tear, blend, bend and glue? You will choose one exciting medium per day to explore, experiment and create artwork. The materials used throughout the week include chalk, watercolor, collage, sculpture and printmaking. The skills include elements of design, including engineering, contrast and composition. You will have an opportunity to choose, edit and prepare your favorite pieces to show at an exhibition at the end of the week. Be sure to wear clothing that can get stained!

**Rising 3rd-6th** $99

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16597

**Minecraft Modders**

Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mods! Introductory coding will also be taught through a simulated environment inspired by Minecraft. Student projects will be available on a password protected Black Rocket website to share with friends and family. Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

*Compatible with MAC and Windows OS only.

**Purchase Minecraft Java Edition**

**Rising 3rd-6th** $149

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16608

**Video Game Animation**

Take your game design skills to the next level by creating and animating your own character sprites, objects, and backgrounds. Start with a name, develop the character’s personality, signature moves, special powers, and a storyline. Finish with a fully animated character to be used in your very own game. Students do not need any prior experience in game design, animation, or sketching. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers; Mac versions can be created after the program for $15.00 conversion fee. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

*Compatible with Windows OS only.

**Rising 3rd-6th** $149
Fiscal Fit Camp: Dollars & Cents
Money, Money, Money. We all want it, but do you know what to do with it once you earn it? Are you ready to expand your piggy bank and learn how to make smart choices with your money? This class is designed to help you understand the options you have for careers and future earning potential. You will get a clear understanding of money management, spending, saving and budgeting.

Rising 6th-9th $99

JavaScript Developer Jam
Learn programming tools so powerful they seem like magic! Start off by learning an array of core programming concepts with JavaScript by experimenting in a series of digital challenges. Start with programming your first animated memes, then tackle more advanced skills such as interactive 3D experiences and game creation. Projects will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

* $10 license fee per student with this class
* Compatible with MAC, Windows and Chrome OS

Rising 6th-9th $159

ROBLOX® Coders & Entrepreneurs!
Discover how to code in the Lua language while playing and designing worlds in ROBLOX®, an online universe where you can create anything you dream of. This new class combines game design concepts, coding, and fun! Young entrepreneurs will also learn how to navigate ROBLOX’s fast-growing marketplace to publish their games. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

* $10 license fee per student with this class
* Compatible with MAC and Windows OS only

Rising 6th-9th $159

YouTube Content Creators
Find your voice and leave your mark on the world! Whether you are six or sixty, it’s time to start a career as the next YouTube star. Explore the variety of content and personalities that exist on YouTube and how to find your own niche. Learn the Dos and Don’ts of the platform and how to practice good digital citizenship. Develop your on-camera presence, your own channel branding, and professional editing skills. Take home a plan for launching your own channel with the content created in class! Student projects will be available on a password protected Black Rocket website to share with friends and family. Students work in pairs or teams for most of the program.

* A webcam is required for this course.
* Compatible with MAC and Windows OS only

Rising 6th-9th $149
Afternoon Academies 1–4:15 p.m.

1662 Delicious Science
Science AND food? You will use food to learn more about structures of the earth, human bodies and molecules. Learning science never tasted so good.

Rising 3rd-6th $99

16583 JavaScript Developer Jam
Learn programming tools so powerful they seem like magic! Start off by learning an array of core programming concepts with JavaScript by experimenting in a series of digital challenges. Start with programming your first animated memes, then tackle more advanced skills such as interactive 3D experiences and game creation. Projects will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

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Rising 3rd-6th $159

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Rising 3rd-6th $159

16532 YouTube Content Creators
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* A webcam is required for this course.
* Compatible with MAC and Windows OS only

Rising 3rd-6th $149
15553

**Time to Play: Dungeons & Dragons**

Join your friends for this engaging foray into a fantasy world. Your first epic journey will be to pick and customize your character. Will you be a high elf, a human, a lightfoot halfling, or a hill dwarf? A cleric, a fighter, a rogue, or a wizard? Will your character be jolly, or sarcastic, or quick to throw a punch? After that you’ll set off on a daring adventure full of deadly perils, powerful magic, ferocious monsters and, if we’re lucky, some bad puns. Pretty polyhedral dice provided.

**Rising 6th-9th**  $149

16599

**Minecraft Modders**

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**Rising 6th-9th**  $149

16613

**Video Game Animation**

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