

Transforming
Our Community...
One Student
at a Time

Youth
Programs
Classes begin
June 28

Continuing Education



Improve Your Skills! Learn Something New!

ALL CLASSES OFFERED THROUGH REMOTE INSTRUCTION



- Live classes led by top teachers
- Small break out sessions with coaches
- Epic Customer Support
- Safe, Fun, Learn...in that order!



BLACK ROCKET ONLINE COURSES



3D Game Design with Unity

Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3D modeling, impactful gameplay creation, as well as how to utilize scripts and variables. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Returning students can create more advanced projects that build on previous years.

Jul 6 - Jul 9, T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14
Jul 6 - Jul 9, T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$135
Aug 16 - Aug 20, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Aug 16 - Aug 20, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14

* Compatible with MAC and Windows OS only and requires a 64-bit operating system.



Transforming
Our Community...
One Student
at a Time

App.IO: Make Your First Multiplayer App!

The hottest new Apps are IO apps! If your child likes to play Agar.io or Slither.io they will love this class! Become the creator of the next viral web app! In this class, explore the most popular .10 apps, design your own multiplayer experience and learn how to code your own app. Student-created apps will be accessible on a private site and can be played on any mobile device or computer. Publishing to App Stores not included. Students do not need to own a smartphone to take this class. Returning students can create more advanced projects that build on previous years.

Jul 26 - Jul 30, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Jul 26 - Jul 30, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169

* Compatible with Windows OS only.

App Attack!

Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app & game development tool, students will explore the world of web-based (HTML5) mobile apps. In addition to learning the basics of mobile app design and game development, you will also see firsthand how the world of App publishing functions. Studentcreated apps will be accessible on a private site and can be played on any mobile device or computer. Publishing to App Stores not included. Students do not need to own a smartphone or tablet to take this class. Returning students can create more advanced projects that build on previous years.

Jun 28 - Jul 2, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Jun 28 - Jul 2, M,T,W,Th,F 1:30 pm - 4:30 pm
Ages 11 - 14

Aug 9 - Aug 13, M,I,W,Ih,F
9:30 am - 12:30 pm
Ages 8 - 11\$169
Aug 9 - Aug 13, M,T,W,Th,F
1:30 pm - 4:30 pm

**Compatible with Windows OS only.



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. Students can participate in eSports League matches against other schools across the country with a chance to have their 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.

Jul 19 - Jul 23, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11 \$169
Jul 19 - Jul 23, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169
Aug 9 - Aug 13, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11
Aug 9 - Aug 13, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169

* Compatible with MAC and Windows OS only and requires a 64-bit operating system.

Code Breakers

Calling all future coders, programmers, & designers! Learn the basics of coding languages like HTML, JavaScript, and CSS through a series of web projects and design challenges each day and be on your way to becoming the next tech star! Whether you want to be a silicon valley CEO or the high school student who just made \$1 million dollars for programming in her bedroom, this course has the essentials you need to begin your journey. Projects will be available on a Black Rocket website to share with friends and family. Returning students can create more advanced projects that build on previous years.

Jul 19 - Jul 23, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8-11\$169
Jul 19 - Jul 23, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11-14 \$169
Aug 16 - Aug 20, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Aug 16 - Aug 20, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$169
* Compatible with MAC Windows

* Compatible with MAC, Windows and Chrome OS.

Code Your Own Adventure! Interactive Storytelling

Watch as the characters in your imagination come to life in this unique course that blends classic storytelling with animation techniques and coding. Start with a concept, design the characters, and choose not just one ending, but many! Learn how to create your own text-based adventure games with variables, conditional logic, images, HTML, CSS, and Twine scripting syntax. Student projects will be available on a password protected Black Rocket website to share with friends and family.

ALL CLASSES OFFERED THROUGH REMOTE INSTRUCTION

BLACK ROCKET ONLINE COURSES To register: www.ucc.edu/blackrocket

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Jul 19 - Jul 23, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Jul 19 - Jul 23, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$169
Aug 16 - Aug 20, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Aug 16 - Aug 20, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$169

* Compatible with MAC, Windows and Chrome OS.



eSports Apprentice - Streamers and 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 fastestgrowing 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 gameplay 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. Videos will not be broadcast publicly but will be shared with all students in the class.

Jul 6 - Jul 9, T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14	.\$135
Jul 6 - Jul 9, T,W,Th,F	
1:30 pm - 4:30 pm Ages 8 - 11	.\$135

Jul 26 - Jul 30, M,T,W,Th,F
9:30 am - 12:30 pm
Ages 11 - 14\$169
Jul 26 - Jul 30, M,T,W,Th,F
1:30 pm - 4:30 pm
Ages 8 - 11\$169

* A webcam is required, compatible with MAC and Windows OS only.



Inventor's League -Prototyping for the Future!

Become an inventor of the future! Learn 'rapid prototyping' and problem solving as you conceptualize and design a product to solve a critical global issue. Each day begins with inspirational profiles of young inventors, such as the eleven-year-old who coded a robot to find victims of natural disasters. Next, research a problem to tackle in medicine, architecture, the environment, or a topic of your choosing. Once your vision is complete, learn how to draft 2D designs, create 3D models, and develop a website to pitch your ideas to the class. Student projects will be available on a password protected Black Rocket website to share with friends and family.

Jul 12 - Jul 16, M,T,W,Th,F	
9:30 am - 12:30 pm	
Ages 8 - 11\$	169
Jul 12 - Jul 16, M,T,W,Th,F	
1:30 pm - 4:30 pm	
Ages 11 - 14	169

* Compatible with MAC and Windows OS only.



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

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. Returning



Remote Live:

Learn online with scheduled class times through a computer or tablet

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.

Jul 6 - Jul 9 TWTh F

9:30 am - 12:30 pm Ages 8 - 11\$135
Jul 6 - Jul 9, T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$135
Aug 2 - Aug 6, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Aug 2 - Aug 6, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$169

* Compatible with MAC, Windows and Chrome OS.

students can create more advanced projects that build on previous years.

Aug 2 - Aug 6, M,T,W,Th,F	
9:30 am - 12:30 pm	
Ages 11 - 14	59
Aug 2 - Aug 6, M,T,W,Th,F	
1:30 pm - 4:30 pm	
Ages 8 - 11\$16	59

^{*} Compatible with Windows OS only.

FIRE FIRE FI

Minecraft® Animators

Create the next popular animated Minecraft video on YouTube! Practice the same skills professionals at Pixar and Disney Animation Studios use. Discover the process of keyframing and tweening, how to use it to bring your own animated stories to life, and how to publish your content on YouTube. Student projects will be available on a password protected Black Rocket website to share with friends and family. Mac users can play their project at home, but will not be able to edit the project

BLACK ROCKET ONLINE COURSES

without a PC. Returning students can create more advanced projects that build on previous years.

Jul 6 - Jul 9, T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$135
Jul 6 - Jul 9, T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$135

^{*} Compatible with Windows OS only.



HELBERT

Minecraft® Designers

If you love the game Minecraft and always wanted to design your own world, this class is for you! Learn how to create a custom map, the basics of creating 3D models using a new software to design your very own objects, how to build with Redstone and Command blocks, and create custom textures for you to import at home or share with friends. Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3D modeling software. Returning students can create more advanced projects that build on previous years.

Jul 12 - Jul 16, M,T,W,Th,F	
9:30 am - 12:30 pm	
Ages 8 - 11	.\$169
Jul 12 - Jul 16, M,T,W,Th,F	
1:30 pm - 4:30 pm	
Ages 11 - 14	\$169

* Compatible with MAC and Windows OS only. Purchase Minecraft Java Edition

MINEERRET

UPDATED!Minecraft® Modders

Customize your own Minecraft world and mod the classic game in this one of a kind class. Learn scripting and logic statements as you create your first mods. Students will create a wide variety of new elements, gameplay mechanics, and world generating mods to change the way you play Minecraft. 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. Returning students can create more advanced projects that build on previous years.

Jun 28 - Jul 2, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Jun 28 - Jul 2, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169
Aug 9 - Aug 13, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11
Aug 9 - Aug 13, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169

* Compatible with MAC and Windows OS only. Purchase Minecraft Java Edition

CHECKET H

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.

Jul 26 - Jul 30, M,T,W,Th,F	
9:30 am - 12:30 pm	
Ages 8 - 11	.\$169
Jul 26 - Jul 30, M,T,W,Th,F	
1:30 pm - 4:30 pm	
Ages 11 - 14	.\$169

* Compatible with MAC and Windows OS only. Purchase Minecraft Java Edition

Pokémon® Masters: Designers & 3D Makers Unite!

Calling all boys and girls who want to be the designers of the future! In this class, if you can dream it, you can make it! Begin by creating your own digital Pokemon-style custom playing card game. Progress onto designing action figures, jewelry, and toys in professional-level modeling software. Learn how to prepare a model for 3D printing and create a design portfolio to showcase your work! No prior experience is necessary and 3D designs will be available on a password protected Black Rocket website to share with friends and family.

9:30 am - 12:30 pm Ages 8 - 11\$169
Jul 19 - Jul 23, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169
Aug 2 - Aug 6, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Aug 2 - Aug 6, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14

Jul 19 - Jul 23, M,T,W,Th,F

* Compatible with MAC and Windows OS only.



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! Returning students can create more advanced projects that build on previous years.

Jul 12 - Jul 16, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Jul 12 - Jul 16, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11
Aug 9 - Aug 13, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Aug 9 - Aug 13, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11 \$169
* Compatible with MAC. Windows

* Compatible with MAC, Windows and Chrome OS.



Scan the QR code with your smart phone to register now!

BLACK ROCKET ONLINE COURSES To register: www.ucc.edu/blackrocket

ROBLOX

ROBLOX® Coders & Entrepreneurs!

Discover the Lua language through a visual block coding system while 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 games will be available on a password protected website to share with friends and family.

Jul 19 - Jul 23, ,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169	9
Jul 19 - Jul 23, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14	9
Aug 2 - Aug 6, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169	9
Aug 2 - Aug 6, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$169	9

* Compatible with MAC and Windows OS only.



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.

Jul 6 - Jul 9, T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11	5
Jul 6 - Jul 9, T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14	5
Aug 16 - Aug 20, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11 \$16.	9
Aug 16 - Aug 20, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14 \$16	9

* Compatible with MAC and Windows OS only.

Rocket Kart Racers: Design A Mario Kart® Style Game

On your marks, get set, create! Blast off in making your first 3D Mario Kart® and Crash Team Racing® style game! Design your own tracks and customize your karts and characters. Using a professional 3D game development software, students will combine their creations into their own kart racing game that they can play with friends and family at home. Students can participate in eSports League races against other schools across the country with a chance to have their tracks featured in the Black Rocket master build of the game! Student projects will be available on a password protected Black Rocket website to share with friends and family.

Jun 28 - Jul 2, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Jun 28 - Jul 2, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14
Aug 2 - Aug 6, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11\$169
Aug 2 - Aug 6, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11 - 14

* Compatible with MAC and Windows OS only and requires a 64-bit operating system.

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.

Jul 12 - Jul 16, M,T,W,Th,F	
9:30 am - 12:30 pm	
Ages 8 - 11	169
Jul 12 - Jul 16, M,T,W,Th,F	
1:30 pm - 4:30 pm	
Ages 11 - 14	169

* Compatible with Windows OS only.

Virtual Reality: The Future is Now

Embark on an EPIC adventure in virtual reality! In this cutting-edge class, you will learn the foundations of VR design by creating your own virtual worlds, exploring simulated environments, and crafting memorable 3D experiences. A cardboard VR headset is optional for this course. Students may order one from blackrocket.com/ store, take the class without a headset, or use any headset that works with a mobile phone. VR projects will be available on a password protected Black Rocket website to share with friends and

family.
Jun 28 - Jul 2, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Jun 28 - Jul 2, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11 \$169
Jul 26 - Jul 30, M,T,W,Th,F 9:30 am - 12:30 pm

Iul 26 - Jul 30, M,T,W,Th,F	
1:30 pm - 4:30 pm	
Ages 8 - 11	9

* Compatible with MAC, Windows and Chrome OS.



NEW! Young Authors

Children at this age have an unlimited supply of imagination and ideas. The goal is to show children just how much fun creative thinking can be if they let their imagination soar. Students will develop their own story from start to finish, ending with their own published soft cover book. Learn plot development, character creation, review literary techniques, and self-expression activities, including illustration, dialogue, and more. Typing support provided. At the end of the class all students will receive a soft cover book they created themselves!

Aug 16 - Aug 20, M,T,W,Th,F 9:30 am - 12:30 pm Ages 8 - 11 \$209	
Aug 16 - Aug 20, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 11-14\$209	

* Compatible with MAC, Windows and Chrome OS.

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

BLACK ROCKET ONLINE COURSES



Remote Live:

Learn online with scheduled class times through a computer or tablet

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.

Jul 12 - Jul 16, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14
Jul 12 - Jul 16, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$169
Aug 9 - Aug 13, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14 \$169
Aug 9 - Aug 13, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11\$169

^{*} A webcam is required for this course and it is compatible with MAC and Windows OS only.



Scan the QR code with your smart phone to register now!



NEW! YouTube® FX Masters

In the digital age, nothing is impossible! Become a master of illusion by learning the techniques used by Hollywood masters to create FX magic. Whether you want to enhance your YouTube videos or create a cool scene to amaze your friends; this class teaches the tools you need. Experiment with visual effects as you learn the dynamics of camera angles, editing, graphic layering, and sound effects. Then watch as your new creations take your channel content to the next level! Student projects are available on a password protected Black Rocket website to share with friends and family.

(lun 28 - Jul 2, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14	.\$169
	lun 28 - Jul 2, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11	.\$169
9	lul 19 - Jul 23, M,T,W,Th,F 9:30 am - 12:30 pm Ages 11 - 14	.\$169
	lul 19 - Jul 23, M,T,W,Th,F 1:30 pm - 4:30 pm Ages 8 - 11	.\$169

^{*} A webcam is required, compatible with MAC and Windows OS only, and requires a 64-bit operating system.



High School Students

(ages 15+)

Union County College, in collaboration with Bergen Community College, is offering Summer Programs for High School Students.

Prepare for the next school year! Accelerate your studies through our New Work for Credit classes or maintain your class standing through our Credit Recovery offerings. Our summer program follows the core curriculum of NJ Standards for Education and you'll be learning with instructors and students from local high schools! Classes begin at the end of June.

Click on each section below to see our latest summer courses.

New Work for Credit

Advance your HS academics! Are you looking to switch math tracks? Did you run out of room in your schedule for a required course? Take courses this summer to optimize your school year. All High School students taking New Work for Credit or Credit Recovery courses must receive approval from their school administrators. To access the approval form, download this Approval Form New Work for Credit or Credit Recovery PDF.

Credit Recovery

Do you need to retake a course to improve your grade or stay on track to earn your HS diploma credits? These courses are for you! All High School students taking New Work for Credit or Credit Recovery courses must receive approval from their school administrators. To access the approval form, download this Approval Form New Work for Credit or Credit Recovery PDF.

ADDITIONAL INFORMATION AVAILABLE SOON!

SUPER SCIENCE ONLINE COURSES Remote Live Classes

Super Science For Kids

Each lesson will be delivered through live virtual instruction by certified teachers. Login details will be provided to students prior to class start date.

Chemical Wizardry

Get ready for a fun-filled "magical" laboratory experience Harry Potter style... from the comfort of your own home! This class is an introduction to the science of chemistry. In addition to learning about atoms, bonding, and the periodic table, you will enjoy making Flubber, Silly Putty, Super Hi- Bounce balls, and more. Have fun making light inside of a glow bottle, play dough, Glowing Goo, and even a tye-dye style shirt. We will create atomic worm polymers and lava lamp-like blobs. We will also demonstrate the Big Bang Cannon, diet Coke and Mentos Geyser, Magic Genie in the bottle, and more.

AEKE 026 Sec 090\$169 Jul 12-15, M,T,W,Th 9:00 am - 12:00 pm Ages 8-13

Super Science Make & Take – Toys that Teach

Make your own working telescope as you learn about the optics of light. Construct an electro-magnet and a working electric motor. Build an adjustable, ball-launching catapult that changes the trajectory of a flinging projectile. Create a working model of Hero Alexandria's fountain or vortex tornado in a bottle. Make ultra-violet bead bracelets, a working compass, submarine divers, and more.

AEKE 054 Sec 090\$169 Jul 19 - Jul 22, M,T,W,Th 1:00 - 4:00 pm Ages 8 - 13

Mini Robotics: Sphero and BristleBots

Have fun experimenting with mini robots from the privacy of your home! Coding, robotics, art, STEAM, and computer science will come alive with tiny, programmable minirobots. Learn to use the Sphero mini app to drive in different modes, program with Javascript, or as a controller to play games. Our instruction will help you to really have fun and learn with your robot. Then have fun using toothbrush motor and vibration technology to build and take home your own "Bristlebot! and Brushbot."

AEKE 056 Sec 090.....\$169 Jun 28 - Jul 1, M,T, W, Th 9:00 am - 12:00 pm Ages 8 - 13

Super Science STEAM Challenges

In this engineering camp, you will have fun integrating Science, Technology, Engineering, Art, and Mathematics by building and designing a wide range of gadgets, inventive machines, towers, crazy contraptions, and more...all from the comfort of your own home! Projects include: The Great Tower Challenge, Wooden Coaster Challenge, Structural Engineering Challenge, Magnificent Marble Machine, and a host of other fun contests designed to bring out the engineer in you! Each challenge STEAM lesson will be delivered through live virtual instruction by

AEKE 029 Sec 090.....\$169
Jul 26 - Jul 29, M,T,W,Th
1:00 - 4:00 pm
Ages 8 -13

Gear & Pulley Explorations

Gear up for some amazing science fun! What happens when gears are connected? Do they rotate together, at the same speed, or in the same direction? Does it even matter how they touch each other? Discover these answers, and more, with this class. Build, tinker, and create amazing gadgets. Conquer different levels of challenges and have fun learning! Projects include making agear and pulley driven car, a wind turbine, a hydraulic claw-project, and more.

AEKE 058 Sec 001\$169 Jul 19 - Jul 22, M,T,W,Th 1:00 - 4:00 pm Ages 8-13

Junior Physicians – Discovering the Human Body

Discover the anatomy of the world's most complicated system - the human body...from the privacy of your own home! In this program, kids will find out what it's like to journey through the human body. We will explore each of the different systems of the human body through hands-on experimentation. Activities include simulated blood typing, making Mr. Skeleton, making a map of the human tongue, a model heart, brain, and more. Students will also perform computer-operated simulated surgery through a passwordprotected website.

AEKE 027 Sec 090.....\$169 Jul 26 - Jul 29, M,T,W,Th 9:00 am - 12:00 pm Ages 8-13

CSI (Crime Scene Investigation)

Become a Super Science Sleuth! Learn about forensics, crime scene investigations, and crime lab chemistry as you perform experiments designed to show you just how those tricky cases are solved. Search for evidence, gather clues, and discover how science can help solve a mystery! Dust for and classify fingerprints, analyze hand writing, test for blood type and DNA using simulated blood, and use "Glow Blood" to see where humans can't see. Examine hair and clothing fibers, practice chemistry to identify mystery substances, and much

AEKE 028 Sec 190.....\$169
Jul 19 - Jul 22, M,T,W,Th
1:00 - 4:00 pm
Ages 8 - 13

Diggin' for Dinosaurs, Rockin' Rocks, & Crystal Creations

Young scientists will discover the exciting science of archaeology and paleontology as they excavate and assemble complete skeletal replicas from simulated "fossilized" rock. Dig for T-Rex, Triceratops, Stegosaurus, Velociraptors, Brachiosaurus, and more! Make fossilized plaster replicas of dinosaur teeth, claws, trilobites, and ancient sea creatures. Sort and classify a variety of fossilized shark teeth and other marine fossils. Unearth some fascinating facts about rocks, minerals and crystals. Break open geodes and discover crystals inside.

AEKE 059 SEC 001......\$169 Jun 28 - Jul 1, M,T,W,Th 9:00 am - 12:00 pm Ages 8-13

To REGISTER for these classes use the form on the next page

Students will need to pick up class supplies at Union County College prior to class start date.





Super Science Registration Form

Transforming
Our Community...
One Student
at a Time

The Youth Programs Permission Slip (next page) must be completed and returned with this registration form. Print clearly and complete all sections.

STUDENT DATA						
Last Name			First Name			MI
Street Address (including apo	artment number)			()	
City/Town		State Zip		Home Te	elephone	
Student ID Number		Gender: ☐ Male	☐ Female	Da	te of Birth (MM/DD/YYYY)	
PARENT/GUARDIAN DAT	A				ing questions are required by	
Last Name First Name			MI	of the Civi	l Rights Act. Completion is vol	
Street Address (including apo	artment number)			Sex:	☐ Male ☐ Female	
	,			Emnicity:	☐ Hispanic☐ Non Hisp☐ Declined to Identify	anic
City/Town State Zip Phone Home Work Cell Race:						
☐ I decline campus parking ☐ I wish to have a permit for License Plate Number	r parking in Cranford (C	omplete the information belo Year. Make and Model o		parking fee	Declined to Identify	MasterCard MasterCard
		ffice, at which time you will be re		urrent vehicle		DISCOVER
COURSE SELECTIONS AN	ID FEES (Please enter ye	our course selections)				
Course Code-Number	Section Number	Course 1	îtle		Start Date (MM/DD/YY)	Course Fee
					Duden For (form): 110	
1 OFFICE USE ONLY		Am			Parking Fee (if applicable) Total	
Register by email, or co Continuing Education, Phone (908) 709-7600	Union County Colle	or (908) 709-7601. ge, 1033 Springfield A	venue, Cranfo		/	STORENTS REAL OF THE PROPERTY

Have questions about Union County College Youth Programs? Email us at youthprograms@ucc.edu

Union County College does not discriminate and prohibits discrimination, as required by state and/or federal law, in all programs and activities, including employment and access to its career and technical programs. If you or someone attending with you has a disability and is in need of special accommodations, please contact the Coordinator of Services for Students with Disabilities at (908) 709-7164.