

# SUMMER CAMPS

— 2023 —



**SUMMERCAMPS**

# TECHNOLOGY & ENGINEERING

## CODE BREAKERS

powered by Black Rocket

**JUNE 12–15 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

Calling all future coders, programmers, and 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 their 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.

*Fee includes camp T-shirt.*

**\$235**

## BEATS AND JAMS:

**DIGITAL MUSIC CREATORS** powered by Black Rocket

**JUNE 20–23 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

Begin your rise to the top of the charts with digital music production. Just like today's top artists, you can design your own beats or remix a mashup of your favorite songs to become a digital composer and sound engineer. In this course, students will learn to produce digital music, record sound, make sound effects, and mix their own tracks. No prior music experience is necessary. Student-created soundtracks will be available on a password protected website to share with friends and family.

*Fee includes camp T-shirt.*

**\$235**

## CYBER SPIES

powered by Black Rocket

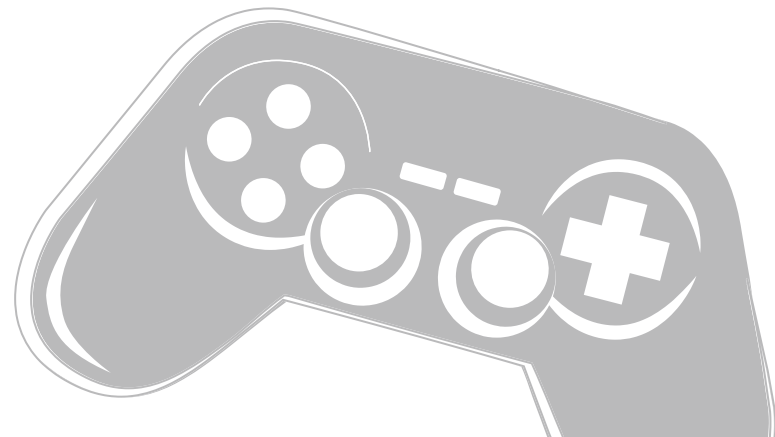
**JUNE 26–29 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

With the world's increased reliance on digital data, cyber security is more important than ever. In this class you are all that stands between a group of international hackers launching cyber attacks and world peace. Through a series of challenges, students will learn to apply tools used by professional digital forensics teams to crack codes and use encryption. Working in teams you will collect clues, recover lost data, and explore the tools of the trade to become the next great cyber spy.

*Fee includes camp T-shirt.*

**\$235**



# TECHNOLOGY & ENGINEERING

## YOUTUBE® FX MASTERS

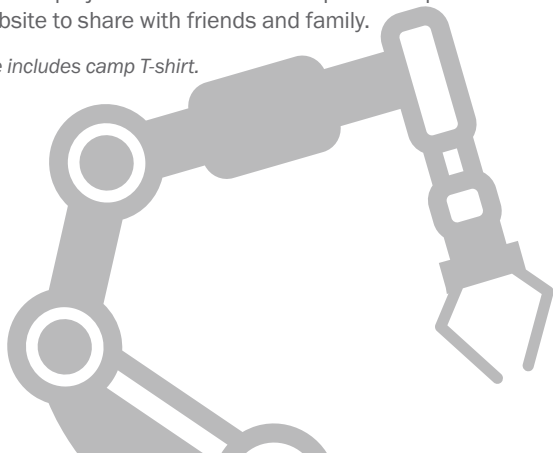
powered by Black Rocket

**JULY 10–13 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

Do you love movies with exciting special effects, like The Avengers, Star Wars, or Harry Potter? Amaze your friends by swinging a lightsaber or blasting fire from your hands and becoming a master of the illusions used by Hollywood artists to create visual effects 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.

*Fee includes camp T-shirt.*



**\$235**

## RACING GAMES WITH UNITY

powered by Black Rocket

**JULY 17–20 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

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 Unity, 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.

*Fee includes camp T-shirt.*

## INTRODUCTION TO ROBOTICS ENGINEERING \$350

**JULY 24–27 | LEVINE CAMPUS**

Rising 6th–8th graders: 9 a.m.–3:30 p.m.

Explore the Engineering Design Process (EDP) through the mechanical design and build of an autonomous LEGO EV3 robot. Have fun with peers while learning basic robot movements through coding, and the use of robot motors and touch sensors. Once built, students expand on the Engineering Design Process (EDP) by programming the robot. Students will undergo challenges to coding advanced movements and using color, touch, and ultrasonic sensors. New to robotics – no problem. Engineering experience is not necessary. **REQUIRED: Gmail account**

*Fee includes camp T-shirt.*



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# SCIENCE & LAW

## **OVERRULED!**

**\$350**

**JUNE 12–15 | MERANCAS CAMPUS**

Rising 8th–12th graders: 9 a.m.–3:30 p.m.

Do you have an aspiring attorney at home? If your camper is interested in a legal career or learning more about the law, then this is the camp for them. Campers will play the role of a prosecuting or defense attorney, an expert witness, a lay witness, a juror, a criminal investigator, etc. as they attempt to unravel the truth in a homicide trial.

*Fee includes camp T-shirt.*

## **CRIME SCENE INVESTIGATOR**

**\$350**

**SESSION I: JUNE 20–23 | CENTRAL CAMPUS**

**SESSION II: JULY 17–20 | CENTRAL CAMPUS**

Rising 7th–12th graders: 9 a.m.–3:30 p.m.

Calling all future crime scene investigators. Participants in our CSI camp will process and document mock crime scenes using real world techniques and equipment. Campers will obtain and inspect evidence, develop fingerprints, cast shoe impressions, analyze hair and fiber samples, and examine handwriting for forgeries. They will use their new knowledge to identify the perpetrator of a crime and put them on trial. In addition, visitors from law enforcement agencies such as the Charlotte-Mecklenburg Police Department, the FBI, Secret Service and others may make short presentations.

*Fee includes camp t-shirt, foot cast, fingerprint card and more.*

## **FORENSIC SCIENCE**

**\$350**

**SESSION I: JUNE 26–29 | CENTRAL CAMPUS**

**SESSION II: JULY 24–27 | CENTRAL CAMPUS**

Rising 8th–12th graders: 9 a.m.–3:30 p.m.

Love CSI and want to solve crimes? Come find out how different types of evidence are processed. Campers will participate in activities that include information about anthropology, arson, toxicology, counterfeiting, blood detection, and blood spatter. At the end of the session, campers will use their new knowledge to develop crime scenes for their peers to solve. In addition, visitors from various law enforcement agencies and forensic labs may stop by for short presentations.

*Fee includes camp T-shirt, supplies used during camp, and more.*

## **MEDICAL CAREERS**

**\$295**

**CAMP I: JUNE 12–16 | CENTRAL CAMPUS**

Rising 7th–8th graders: 8:30 a.m.–4:30 p.m.

**CAMP II: JULY 10–14 | CENTRAL CAMPUS**

Rising 9th–10th graders: 8:30 a.m.–4:30 p.m.

Attention future health professionals. Here is your opportunity to explore different careers in health sciences and investigate pathways to achieve your goals. Have fun while learning terms, math, anatomy, skills and researching cases in our new state-of-the-art facility, the Leon Levine Health Sciences Center. Camp II will take a deeper dive into anatomy, add to your skill toolbox, and interact with healthcare professionals. Hands on science experiments and activities to help you identify which health profession is best for you.

*Fee includes camp T-shirt.*

# ARTS & EXPRESSION

## CLAY CREATIONS

**\$350**

**SESSION I: JUNE 20–23 | CENTRAL CAMPUS**

**SESSION II: JUNE 26–29 | CENTRAL CAMPUS**

Rising 7th–12th graders: 8:30 a.m.–12:30 p.m.

Campers get their hands dirty learning about clay. They are introduced to hand building techniques such as coiling, sculpting, and slab construction, as well as wheel thrown construction and other clay working techniques. Campers also work with ceramic glazes. The campers discuss the history of clay and finished kiln-fired clay. There are no prerequisites for these camps and projects in each session will vary. Creations are available two weeks after the camp ends.

*Fee includes camp T-shirt and your own uniquely made kiln-fired creations.*

## JEWELRY MAKING

**\$350**

**JULY 10–13 | CENTRAL CAMPUS**

Rising 7th–12th graders: 8:30 a.m.–12:30 p.m.

Design and create jewelry and accessories, while sharing ideas and making friends. Campers will be introduced to polymer clay techniques, paper bead making, resin jewelry making, and explore various other methods. Our talented instructor will guide campers in designing individual projects based on expressive intentions.

*Fee includes camp T-shirt and several wearable pieces of art.*



# COSMETOLOGY

## BEAUTIFUL YOU

\$350

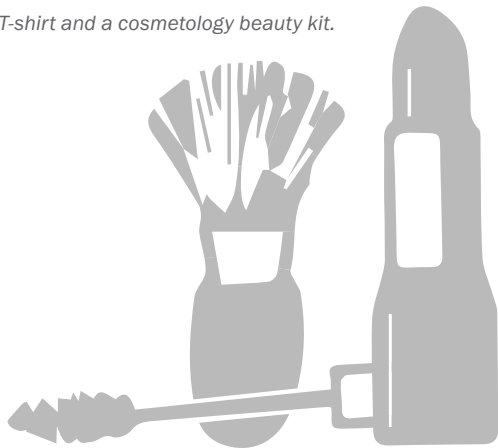
**SESSION I: JULY 24-27 | CITY VIEW CENTER**

**SESSION II: JULY 31-AUGUST 3 | CITY VIEW CENTER**

Rising 9th-12th graders: 9 a.m.-2 p.m.

Come explore new and popular trends in the beauty industry. Our NC licensed Cosmetologist and NC Cosmetology Instructors will teach campers fashion make-up trends, make-up artistry, and offer themed photo shoot hair styling tips. The goal this summer is to blend popular online tutorials with hands-on learning. All skills will be taught in our salon lab environment, guided by our experienced Instructors. Campers will gain valuable knowledge that can be used in an everyday setting and also build their interest in the foundations of the artistry side of the industry.

*Fee includes camp T-shirt and a cosmetology beauty kit.*





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# TECH CENTRAL

## LAUNCHING FALL 2023

### **CODING ACADEMY**

powered by Black Rocket

**\$235**

**SEPTEMBER 9,16,23, and 30 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

Calling all future coders, programmers, and designers. Explore a series of coding languages like HTML, CSS, JavaScript, and Python through introductory projects and design challenges. Learn the basics to get started on your coding journey and become the next coding prodigy. Projects will be available on a Black Rocket website to share with friends and family.

### **YOUTUBE® CONTENT CREATORS**

powered by Black Rocket

**\$235**

**OCTOBER 7,14,21, and 28 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

Find your voice and leave your mark on the world. Whether you are six or sixteen, 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.

### **CLOUD GAMERS:**

### **MOBILE APP DEVELOPMENT**

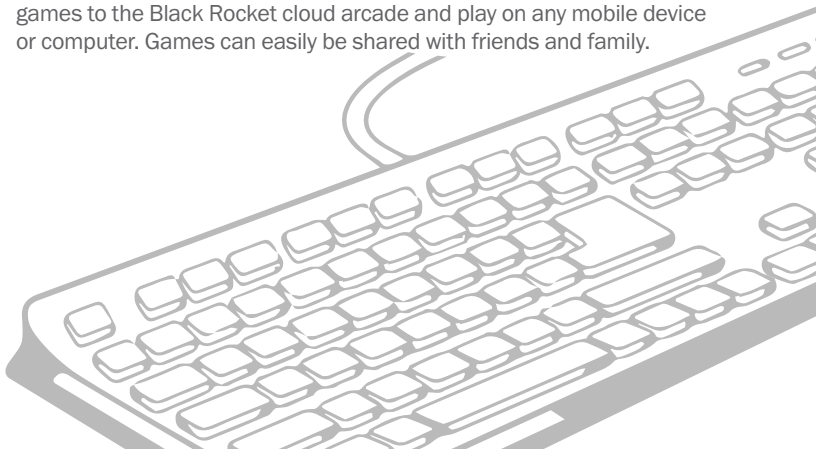
powered by Black Rocket

**\$235**

**NOVEMBER 4,11,18, and DECEMBER 2 | LEVINE CAMPUS**

Rising 4th–6th graders: 9 a.m.–noon | Rising 7th–9th graders: 1–4 p.m.

Cloud gaming is the way of the future. Build games you can play everywhere and anywhere using a web-based development tool. Learn in-demand skills like programming events and coding controls for a touch screen or keyboard and mouse. Finish by personalizing levels and characters with your own design. Now you are ready to upload your games to the Black Rocket cloud arcade and play on any mobile device or computer. Games can easily be shared with friends and family.





PO Box 35009 • Charlotte, North Carolina • 28235

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U.S. Postage  
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**Register online today:**  
[youth.cpcc.edu](http://youth.cpcc.edu)