JUNE 7–JULY 17, 2020
Step right up for a thrilling summer of fun and exploration!
Get your ticket to ride.

JUNE 7–12
Adventures in Vex Robotics (Rising 6–9)
Learn how robots think, sense and function and then design and build one using the Vex™ Robotics Design System. Gain insight about the history of robots, how they are used now and how they will be used in the future. Learn about engineering concepts, electronics, sensors and control subsystems from an instructor at USC’s College of Engineering. Explore the different engineering disciplines and find out what it takes to be an engineer. If you have an interest in robots and are wondering if engineering might be in your future, then this class is for you! Round out your adventure in a robot demonstration by competing against other robot teams. No experience in robots is necessary.

Adventures in Graphic/Digital Design (Rising 6–9)
Have you ever wondered how they made the logo for the Gamecocks, University of South Carolina or your favorite company? Create original graphic design with edge and impact using the industry standard tools in the Adobe Creative Suite. Develop images, typography and logos for posters, movies, games and album art. Gain knowledge and skills in digital design while studying color, composition and presentation. An expert from USC will teach you how to design and transform your ideas into a finished portfolio of your projects.

Adventures in Forensic Science (Rising 6–9)
You have seen criminal investigation shows, now try your hand at sleuthing the elements of a crime scene by working with real-life crime scene investigators and law enforcement officers to help restore justice. Through hands-on opportunities and demonstrations, you will learn about latent fingerprints, bloodstain interpretation, footwear impressions, crime scene diagrams and trace and DNA evidence collection. End your adventure on a team investigation of a mock crime scene and create your own crime scene diagram!

Adventures in Computer Gaming (Rising 6–9)
Venture into the exciting, interactive world of computer gaming! Using a game engine, you’ll learn the skills behind graphics, modeling, animation, multi-level game design, artificial intelligence and basic programming techniques, such as if/switch, for/while loop and more. Through instruction by USC’s Computer Science department and hands-on programming, you will work in a group to create a finished product: your own video game.

JUNE 14–19
Adventures in Forensic Science (Rising 9–12)
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Adventures in Pharmacy (Rising 9–12)
Discover what it takes to become a pharmacist! Pharmacists work in communities, for educational institutions, drug manufacturers and hospitals, and with nuclear medicine to build patient records and medical files. Real-life pharmacists from the College of Pharmacy will teach you how to read prescriptions, help prepare medications, counsel patients, understand poison warnings and learn patient drug regimens. Study hypertension and diabetic monitoring and intravenous techniques. You’ll experience the pharmacy lab at USC’s School of Pharmacy where you may even try your hand at compound ing and making different types of medicine.

Adventures in Business – Entrepreneurship (Rising 9–12)
Have you ever dreamed about creating and launching your own project and pitching it like a contestant on the popular TV show “Shark Tank”? Enhance your entrepreneurial skills in this dynamic business-oriented adventure run through the Darla Moore School of Business. Faculty at the Faber Entrepreneurship Center at USC will teach you how to find a product or service that solves a problem, identify a clearly defined market, uncover a clear advantage and learn what is takes to bring a product or service to the market. Discover how your project will be profitable and learn how to pitch your product to investors. You’ll learn to create a business plan, find your market and promote your business. Along the way, you’ll build your leadership skills and enhance your innovative thinking. By the end of the week, you will work in a group to create your own product and pitch it like you see on “Shark Tank”!

Adventures in Augmented/Virtual Reality (Rising 9–12)
Have you ever imagined having the ability to walk in the shoes of your favorite movie character? Have you ever wanted to walk on an alien planet, or fly above the clouds like a bird? Have you ever wondered how you can add your own digital creations to the real world? With virtual reality (VR) and augmented reality (AR), you can do all of this and more. In this camp, the adventurous and courageous will explore AR/VR and dive into this amazing and immersive experience. Explore strange new worlds, learn how to navigate through virtual space and even design your own virtual objects using AR.
JUNE 21-26
Adventures in Extraordinary Chemistry in Extraordinary Lives (Rising 6-9)
As a budding chemist, try out hands-on experiments that will help you connect real-world situations with science. Have you ever wondered about the cosmetics, food and medicine you use? This adventure will help you uncover the science — and chemistry — behind those and many more. Practice concepts from chemistry, the science that investigates the very small, to understand the large. An expert in USC’s Department of Chemistry and Biochemistry will show you that a sparkle of imagination has created a constellation of essential, amazing products. Using various techniques and equipment, discover how chemistry is touched by and used in our everyday lives. Study career fields and what it takes to be a chemist.

JULY 5-10
Adventures in Law and Crime (Rising 6-9)
Spend your day in court — as an attorney! Learn about the court system, criminal investigation, defense and prosecution and evidentiary and trial prosecution. Work with real-life attorneys and law enforcement officers, tackling a real case from the moment the crime is perpetrated. Your team will even bring a case to court through a mock trial. Visit local and supreme courts and see the legal system from the inside!

Adventures in Engineering (Rising 9-12)
Do you think you have the “knack” to be a future engineer but are not sure which area you want to specialize in? Here, you will experience different types of engineering and find out what engineers really do in mechanical, electrical, civil, chemical and biomedical engineering to gain a clearer picture of what it means to earn a degree in one of these fields. Your adventure will include hands-on activities and building sessions in university labs in each area of engineering so you can personally experience how each field is unique and fascinating. This experience will help you decide which area of engineering you want to pursue.

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Adventures in 3D Printing (Rising 6-9)
Have you ever wondered if you can bring your imagination to life? Do you know you can explore your love to create and invent new things by 3D printing? Come join us in the Adventures of 3D Printing to be a “Print-ineer” for life by initiating your 3D printing journey in this summer camp. You will learn about exciting ways you can 3D print daily use objects to real structural components and learn about the strategies of structural design and manufacturing. At the end of the adventure, you would have the opportunity to create your own 3D printed engineered structures and enjoy a team “building” project.

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Sign up today! discover.sc.edu/youth