

STEAM YOUTH SUMMER CAMP



IN PERSON AND VIRTUAL OPTIONS

More than just fun and games, our programs provide engaging and unique learning opportunities on a college campus. Students ages 8 to 14 can give their science, technology, engineering, art, and math skills a workout with a range of fun-filled camps and classes. Don't miss out on these diverse, academic youth programs!

Virtual courses: June 6 - August 26 A full list of virtual courses can be found at <https://blackrocket.com/online/oak>.

In person courses: June 12 - August 3 See below for the full course schedule. In person courses meet at our Des Plaines campus.

New! Courses for middle-school students ages 12-14

Young Investors and Entrepreneurs

Teach your kids the secrets of building financial wealth and security! Whether you want to build the next great American company, become a Wall Street tycoon, or be the millionaire next door by investing wisely—this camp is for you! In this course you will learn the basics of investing in the stock market, the difference between assets and liabilities, the importance of diversification, and how to evaluate companies. You will also develop your own business plan and present your ideas to your peers to compete for their investments in a mock Shark Tank style activity.

KID E88 [CRN 50053] July 31-August 3, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$164

Model United Nations

Become one of the 400,000 students around the world in Model United Nations! Assume the role of an ambassador and represent your country to solve current world issues. Throughout the week students will research a world problem, develop solutions, and negotiate consensus with their peers. This program teaches teens and tweens core skills such as research, writing, public speaking, problem solving, and conflict resolution. Model UN alumni have gone on to become supreme court justices, world leaders, lawyers, and business professionals. No prior experience is needed.

KID E17 [CRN 50050] July 24-27, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$164

Courses for students ages 8-12

Code Breakers

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 her bedroom, this course has the essentials you need to begin your journey.

KDE S09 [CRN 50075] June 12-15, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$164

New! Cyber Spies

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!

KID E49 [CRN 50076] June 12-15, Mon.-Thu., 9 a.m.-12 p.m., Des Plaines campus

Fee: \$179

Pokémon® Masters: Designers and 3D Makers Unite!

Calling all PokeMasters who want to be the designers of the future! Use your Pokemon imagination and bring your ideas to life. 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.

KID S18 [CRN 50077] June 20-22, Tue., Wed., Thu., 9 a.m.-12:30 p.m., Des Plaines campus

Fee: \$164

Virtual Reality: The Future Is Now

Embark on an EPIC adventure in virtual reality! In this cutting-edge class, learn the foundations of VR design by creating your own *virtual* worlds, exploring simulated environments, crafting 3D experiences, and learning basic programming concepts. At the end of the week, take home your first cardboard VR headset to show friends and family the new worlds you created. VR projects can be viewed on a website or mobile device. Students do not need a mobile device to take the class, but will need access to a mobile device at home.

KDE S12 [CRN 50078] June 20-22, Tue, Wed., Thu., 1-4:30 p.m., Des Plaines campus

Fee: \$184

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. **Students must have the Java version of Minecraft to take this class.** Tablet, phone, and game console versions of Minecraft are not compatible.

KID U06 [CRN 50079] June 26-29, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$164

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.

KDE S21 [CRN 50080] June 26-29, Mon.-Thu., 9 a.m.-12 p.m., Des Plaines campus

Fee: \$164

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 have the Java version of Minecraft to take this class.** Tablet, phone, and game console versions of Minecraft are not compatible.

KID E24 [CRN 50081] July 10-13, Mon.-Thu., 9 a.m.-12 p.m., Des Plaines campus

Fee: \$164

ROBLOX® Coders and 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.

KDE S29 [CRN 50048] July 10-13, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$179

Battle Royale Gamers

Fans of Fortnite and Rumbleverse, we need YOU! Instead of just playing a multiplayer game, develop your own with Unity, a professional 3D game development software. Design your own unique magical level, build 3D models, and cast spells with custom-created wands. At the end of the week, all student created maps are combined into a master game where you will battle to become the last wizard standing.

KID S12 [CRN 50100] July 17-20, Mon.-Thu., 9 a.m.-12 p.m., Des Plaines campus

Fee: \$164

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 fastest-growing career for the next generation. 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. Videos will not be broadcast publicly but will be shared with all students in the class.

KID S14 [CRN 50101] July 17-20, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$164

New! Beats and Jams: Digital Music Creators

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.

KID E43 [CRN 50049] July 24-27, Mon.-Thu., 9 a.m.-12 p.m., Des Plaines campus

Fee: \$179

JavaScript Developer Jam

Learn programming tools so powerful they seem like magic! Start off by exploring 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.

KID E40 [CRN 50051] July 24-27, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$179

YouTube® Content Creators

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!

KID S10 [CRN 50052] July 31- August 3, Mon.-Thu., 9 a.m.-12 p.m., Des Plaines campus

Fee: \$179

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!

KDE S16 [CRN 50054] July 31- August 3, Mon.-Thu., 1-4 p.m., Des Plaines campus

Fee: \$179

Register now at www.oakton.edu/youth.

Try our new, user-friendly, family checkout option. Register multiple siblings via a single account.

For more information, call 847.982.9888.

