

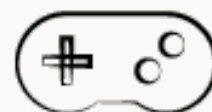


BLACKROCKET

Launch Your Creativity



2022 COURSE DESCRIPTIONS



TECH PROGRAMS THAT TAKE OFF!



Summer 2022 Courses

3D Game Design with Unity and 2D Animation

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. Complete your new game design toolbox by creating and animating your own 2D character sprites, objects, and backgrounds. Finish with a fully animated 2D character and a 3D game level built in Unity. Student-created games will be available on a password protected Black Rocket website to share with friends and family.

Python Coding and Minecraft Engineers

Combine coding and Minecraft in this unique class. Begin the day by constructing your own carnival using Minecraft Redstone! Engineer and design a variety of mini-games, roller coasters, and attractions. In the afternoon explore 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. **Students must own a Java version of Minecraft to take this class.** Tablet, phone, and game console versions of Minecraft are not compatible.

ROBLOX® Coders & Makers

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! Next, 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.



Virtual Reality and 3D Modeling

Become an inventor of the future! Learn 'rapid prototyping' and 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. Then conceptualize and design a product to solve a critical global issue. Once your vision is complete 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.



YouTube® Content Creators and Battle Royale Gamers

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! Then move onto game creation with a professional 3D game development software to build levels and assets inspired by popular battle royale games like Fortnite. Student-created games will be available on a password protected Black Rocket website to share with friends and family.



YouTube® FX and JavaScript Jam

Learn programming and special effects tools so powerful they seem like magic! Become a YouTube star in the morning and a developer in the afternoon. 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! Shift gears after lunch to begin your developer journey. Focus on core programming concepts with JavaScript by experimenting in a series of digital challenges. 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.

