



**REGISTER
NOW!**



BLACKROCKET

Launch Your Creativity

(Ages 8-14) The magic in every camper comes to life as never before when they are empowered to be as creative as they were all born to be! **BLACK ROCKET** has over a decade of experience designing camps in the S.T.E.M. and Digital Arts fields. Every program is powered by the camper's innate imagination and designed to bring their ideas to life in a fun, hands-on, learning environment. From concept to creation students will demonstrate their masterpiece to the world at the end of each week! All Black Rocket programs mirror real life experiences and the collaborative nature of the design process. Students will work in pairs or teams for most of the program.

See class details on back side.

Full details at RockValleyCollege.edu/WhizKids

Register at RockValleyCollege.edu/CEOnline

Questions? Call (815) 921-3900

- 3D Game Labs With Unity
- App Attack!
- Battle Royale
- Code Breakers
- eSports Apprentice:
YouTube® Streamers & Gamers
- Make Your Own Video Game!
- Minecraft Designers
- Minecraft Modders
- Python Programmers
- ROBLOX® Coders & Entrepreneurs
- ROBLOX® Makers
- Virtual Reality: The Future is Now!
- Video Game Animation

RockValleyCollege
COMMUNITY & CONTINUING EDUCATION

Whiz Kids

3D Game Labs 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.

App Attack!

Take the first steps into the world of mobile app design and customize your own game app!. 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.

Battle Royale

Fans of Fortnite we need you! Instead of playing the game, design your own. 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.

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.

eSports Apprentice:

YouTube® Streamers & Gamers

Whether you want to be the next pro gamer, streamer, or gamecaster this course will teach you the basics to get started! Students will develop competitive game-play skills in Black Rocket's new eSports App, learn how to produce commentary for live tournaments, use professional streaming software, and most importantly practice online safety. Students will gain full access to the eSports App and a video of their class tournament with commentary.

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.

Minecraft Designers

If you love the game Minecraft, & 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 (tablet, phone, and game console versions of Minecraft are not compatible).

Minecraft Modders

Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mods! Introductory coding will also be taught through a simulated environment inspired by Minecraft. Students must own a Java version of Minecraft (tablet, phone, and game console versions of Minecraft are not compatible).

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. Step-by-step to a programming path that will let you challenge friends with fun content you create from start to finish!

ROBLOX® Coders & Entrepreneurs

Discover how to code in the Lua language while playing and 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.

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.

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. 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 a mobile device. Students do not need a mobile device to take the class, but to use the VR headset a camper will need access to an Android or Apple mobile device.

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. Games are only compatible on PC computers; Mac versions can be created after the program for \$15 conversion fee.



• **Special for our Returning Students: Work with your instructor to create more advanced projects that build on previous years!**

• **Get full class details, ages, dates and times at RockValleyCollege.edu/WhizKids**