



BLACKROCKET

Launch Your Creativity

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

- Make Your First 3D Video Game!
- Maker Labs: Make Your First 3D Creation!
- App Attack
- App Adventures: The Next Level!
- Code Breakers
- Minecraft Designers
- Minecraft Modders
- Minecraft Animators
- NEW! Star Wars Stop Animation
- LEGO® Comics: Design Your Own Adventure!
- Digital Storytellers
- LEGO® Video Games
- Make Your First Video Game
- Video Game Animation



RockValleyCollege
COMMUNITY & CONTINUING EDUCATION

PARTNERS WITH:

Whiz Kids

Make Your First 3D Video Game!

This class allows you to develop a game concept that goes well beyond the limitations of the traditional 2D game design classes. Students learn physics behind 3D games, explore beginner event scripting, level design, controlling flow of gameplay and storytelling.

Maker Labs: Make Your First 3D Creation!

This class allows you to develop concepts that go well beyond the limitations of the traditional 2D game design classes. Students learn physics behind 3D games, explore beginner event scripting, level design, controlling flow of gameplay and storytelling.

App Attack

Take the first steps into the world of mobile app design and customize your own game app! In addition to learning basics of mobile app design and game development, students learn firsthand how the world of app-publishing functions. **No prior experience is necessary and students do not need to own a smartphone or tablet to take the class.** Students will work in pairs or teams for most of the program.

App Adventures: The Next Level!

Continue your quest to make the next viral app! Move past the basic techniques learned in App Attack and jump right in! Students choose from a selection of different mobile app types and explore more in-depth programming concepts.

Code Breakers

Learn 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 the next Mark Zuckerberg or the high school student who just made one million dollars, this course has the essentials needed to begin your journey!

Minecraft Designers

Here's your second opportunity for Minecraft designers! Learn basics of creating 3D models using new software to design your very own objects, create skins for characters, and import them into Minecraft games. **To access their project at home students, must own a PC/MAC 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. **To access their project at home students, must own a PC/MAC version of Minecraft. Tablet, phone, and game console versions of Minecraft are not compatible.**

Minecraft Animators

Bring your favorite Minecraft characters to life in an animated short film! Learn how studios like Pixar and Disney make movies like Inside Out and Frozen by using techniques like keyframing, tweening, texturing, and animating rigged 3D models! Student projects will be available on a password protected Black Rocket website to share with friends and family. You do not need to own a Minecraft account to use the software in this class. Students will work in pairs or teams for most of the program.

NEW! Star Wars Stop Animation

Make your own Star Wars adventure come to life! Bring in your favorite action figures and create a short film with your friends. Whether you want to recreate a scene from Star Wars or design a new world of your own, this class brings your dreams to the screen. Students will need to bring in Star Wars action figures or vehicles from home, but all other equipment provided. Students will work in pairs or teams for most of the program.

NEW! LEGO® Comics: Design Your Own Adventure!

In this LEGO® adventure YOU are the star! Pick your favorite LEGO® genre or create an alternate universe to create a digital illustrated story or graphic novel. Whether you want to fight alongside superheroes, create a Minecraft story, hang with the Nexo Knights, or go into space with Rey and Finn, the only requirement is that you put yourself in the story! All students will end the class with a digital comic book that can be shared with friends and family on a password protected website! Students will work in teams for most of the program.

Digital Storytellers

Whether you want to rewrite the ending to Star Wars, add yourself to a Divergent, take or create a new adventure, ANY topic is possible in this class! Start with a concept, design a storyboard, add dialogue and watch as your characters come to life in your first graphic novel!

LEGO® Video Games

Combine your two favorite activities – LEGO®s and video games! Students create their own LEGO® universe, characters and adventures in an interactive 2D video game.

Make Your First Video Game

Make your first video game in this one-of-a-kind class that teaches how to design a 2D game. Conceptualization, play experience, challenge levels, graphics, sounds, and simple coding are just some of the concepts that we will explore.

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 story line. Finish with a fully animated character to be used in future games.



RETURNING STUDENTS CAN CREATE MORE ADVANCED PROJECTS THAT BUILD ON PREVIOUS YEARS.

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

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