

WEST SHORE COMMUNITY COLLEGE

DIGITAL SUMMER CAMP

2020

The magic in every student comes to life as never before when they are empowered to be as creative as they were 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!



REGISTER NOW AT

<https://blackrocket.com/online/wsc/>

Offering two classes per week, \$149/class

June through August. Classes are designed for students ages 8-14.



**BLACK
ROCKET**
Launch Your Creativity



Registration must be received one week prior to the start of class. Please contact Cara at 231.843.5825 or cemitchell@westshore.edu with any questions.

CLASS LISTING 2020

3D GAME DESIGN WITH UNITY

JUNE 29 - JULY 3, 2020 & JULY 13 - JULY 17, 2020
9:30AM-12:30PM: AGES 8-10/1:30-4:30PM: AGES 11-14

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. Returning students can create more advanced projects that build on previous years.

**This requires a 64-bit operating system.*
**Compatible with MAC and Windows OS only.*

BATTLE ROYALE: MAKE YOUR FIRST FORTNITE® STYLE VIDEO GAME

JUNE 8 - JUNE 12, 2020 & AUGUST 3 - AUGUST 7, 2020
9:30AM-12:30PM: AGES 8-10/1:30-4:30PM: AGES 11-14

Fans of Fortnite we need you! Instead of playing the game, design your own. Using a professional 3D game development software, build levels and assets inspired by popular battle royale games like Fortnite. Students can participate in eSports League matches against other schools across the country with a chance to have their levels featured in the Black Rocket master build of the game! 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.

**This requires a 64-bit operating system.*
**Compatible with MAC and Windows OS only.*

CODE BREAKERS

JULY 6 - JULY 10, 2020
9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

Calling all future coders, programmers, & 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. Projects will be available on a Black Rocket website to share with friends and family. Returning students can create more advanced projects that build on previous years.

**Compatible with MAC, Windows and Chrome OS*

ESPORTS APPRENTICE - STREAMERS AND GAMERS

AUGUST 17 - AUGUST 21, 2020
9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

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. Over 400 million people watched YouTube videos and Twitch streams of video game competitions this year alone! 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. Student recordings will be available on a password protected website to share with friends and family. Videos will not be broadcast publicly but will be shared with all students in the class.

**A webcam is required for this course Software is compatible with MAC and Windows OS only.*

JAVASCRIPT DEVELOPER JAM

JUNE 29 - JULY 3, 2020 & UGUST 24 - AUGUST 28, 2020
9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

Learn programming tools so powerful they seem like magic! Start off by learning 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. Projects will be available on a password protected Black Rocket website to share with friends and family.

**\$10 license fee per student with this class*
**Compatible with MAC, Windows and Chrome OS.*

MAKE YOUR FIRST VIDEO GAME

JUNE 22 - JUNE 26, 2020
9:30AM-12:30PM: AGES 8-10/1:30-4:30PM: AGES 11-14

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. Student projects 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 \$15.00 conversion fee. Returning students can create more advanced projects that build on previous years.

**Compatible with Windows OS only.*

MINECRAFT® ANIMATORS

AUGUST 24 - 28, 2020
9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

Create the next popular animated Minecraft video on YouTube! Practice the same skills professionals at Pixar and Disney Animation Studios use. Discover the process of keyframing and tweening, how to use it to bring your own animated stories to life, and how to publish your content on YouTube. Student projects will be available on a password protected Black Rocket website to share with friends and family. Mac users can play their project at home, but will not be able to edit the project without a PC. Returning students can create more advanced projects that build on previous years.

**Compatible with Windows OS only.*

MINECRAFT® DESIGNERS

JULY 20 - 24, 2020 & AUGUST 17 - AUGUST 21, 2020
9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

If you love the game Minecraft and 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 to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3D modeling software. Returning students can create more advanced projects that build on previous years.

**Compatible with MAC and Windows OS only.*
Purchase Minecraft Java Edition



CLASS LISTING 2020

MINECRAFT® MODDERS

JULY 27 - JULY 31, 2020

9:30AM-12:30PM: AGES 8-10/1:30-4:30PM: AGES 11-14

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. Student projects will be available on a password protected Black Rocket website to share with friends and family. Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Returning students can create more advanced projects that build on previous years.

**Compatible with MAC and Windows OS only.*

MINECRAFT® REDSTONE ENGINEERS

JUNE 8 - JUNE 12, 2020 & AUGUST 10 - 14, 2020

9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

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 own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible.

**Compatible with MAC and Windows OS only.*

POKÉMON® MASTERS: DESIGNERS & 3D MAKERS UNITE!

JULY 13 - JULY 17, 2020

9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

Calling all boys and girls who want to be the designers of the future! In this class, if you can dream it, you can make it! 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 and 3D designs will be available on a password protected Black Rocket website to share with friends and family.

**Compatible with MAC, Windows and Chrome OS*

PYTHON PROGRAMMERS

JUNE 22 - JUNE 26, 2020

9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

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! Returning students can create more advanced projects that build on previous years.

**\$10 license fee per student with this class.*

**Compatible with MAC, Windows and Chrome OS.*

ROBLOX® CODERS & ENTREPRENEURS!

JUNE 15 - JUNE 19, 2020 & JULY 27 - JULY 31, 2020

9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

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. Student-created games will be available on a password protected Black Rocket website to share with friends and family.

**\$10 license fee per student with this class*

**Compatible with MAC, Windows and Chrome OS.*

ROBLOX® MAKERS

JULY 6 - JULY 10, 2020

9:30AM-12:30PM: AGES 8-10/1:30-4:30PM: AGES 11-14

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.

**Compatible with Windows OS only.*

ROCKET KART RACERS: DESIGN A MARIO KART® STYLE GAME

JULY 20 - JULY 24, 2020 & AUGUST 10 - AUGUST 14, 2020

9:30AM-12:30PM: AGES 11-14/1:30-4:30PM: AGES 8-10

On your marks, get set, create! Blast off in making your first 3D Mario Kart® and Crash Team Racing® style game! Design your own tracks and customize your karts and characters. Using a professional 3D game development software, students will combine their creations into their own kart racing game that they can play with friends and family at home. Students can participate in eSports League races against other schools across the country with a chance to have their tracks featured in the Black Rocket master build of the game! Student projects will be available on a password protected Black Rocket website to share with friends and family.

**This requires a 64-bit operating system.*

**Compatible with MAC and Windows OS only.*

VIDEO GAME ANIMATION

JUNE 15 - 19, 2020 & AUGUST 3 - AUGUST 7, 2020

9:30AM-12:30PM: AGES 8-10/1:30-4:30PM: AGES 11-14

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 \$15.00 conversion fee. Returning students can create more advanced projects that build on previous years.

**Compatible with Windows OS only.*