

# SUMMER 2017 YOUTH CAMPS

## SESSIONS WILL MEET:

### PARHAM ROAD CAMPUS

Reynolds Community College  
Workforce Development and  
Conference Center  
WDCC

### MIDLOTHIAN CAMPUS

John Tyler Community College  
Eliades Hall  
MIDLO



### Minecraft Modders

**Fee: \$185**

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 project will be available on a password protected Black Rocket website to share with friends and family. 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.

Jun 26 - 30 M-F Afternoons WDCC  
Jul 24 - 28 M-F Mornings WDCC  
Jul 31 - Aug 4 M-F Mornings WDCC

### App Attack! Make Your First Game App

**Fee: \$185**

Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app and game development tool, students will explore the world of web-based (HTML5) mobile apps. 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. Student-created apps will be accessible on a private site and can be played on any mobile device or computer. Publishing to App Stores not included. No prior experience is necessary and students do not need to own a smartphone or tablet to take the class.

Jun 26 - 30 M-F Mornings WDCC  
Aug 7 - 11 M-F Mornings MIDLO

### Code Breakers

**Fee: \$185**

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 the next Mark Zuckerberg or the high school student who just made \$1 million dollars for programming in his 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.

Jul 10 - 14 M-F Mornings WDCC  
Aug 7 - 11 M-F Afternoons MIDLO

CCWA has partnered with industry expert Black Rocket to present unique enrichment programs for youth. We are preparing kids for tomorrow. Kids just think it's cool.

MONDAY - FRIDAY | WEEKLY SESSIONS

Morning Camps | 9 A.M. - 12 P.M. | Afternoon Camps | 1 P.M. - 4 P.M. FOR AGES 8 - 12

CCWATRaining.org/STEMCAMP | (804) 523-2292 |





Students will be able to upload their work to a website where the students and their parents will have access to monitor progress and make comments. Returning students can create more advanced projects that build on previous years.

**Lego Video Games**  
**Fee: \$185**

Combine your two favorite activities: LEGOs and Video Games! Students will create their own LEGO characters and adventures in an interactive 2D Video Game. Everyone is welcome in this one of a kind class. At the end of the program, every student will have a finished LEGO Video Game that can be shared with friends and family through a password protected Black Rocket website. Games are only compatible on PC computers; Mac versions can be created after the program for a \$15.00 conversion fee.

Jul 10 - 14 M-F Afternoons WDCC

**Make Your First Video Game!**  
**Fee: \$185**

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 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.

Jun 17 - 21 M-F Mornings WDCC

*CCWA is the workforce development partnership between John Tyler Community College and Reynolds Community College.*



Black Rocket's mission is to help ignite, unleash, and enhance these distinct talents through courses that emphasize self-empowerment, cognitive reasoning, and divergent thinking through hands-on learning.

**Creative Design and Robotics**  
**Fee: \$185**

The world of the future belongs to ... robots! In this cutting edge class students will learn the fundamentals of motorized mechanisms, design principles, sensors, and sound activation. Separate fact from fantasy by designing and building prototypes of task oriented robots. Learn problem-solving to improve how their robots function in a series of design challenges!

Jul 17 - 21 M-F Afternoons WDCC

**Make Your First 3-D Video Game!**  
**Fee: \$185**

Try this new version of a Black Rocket classic! This class allows you to develop a game concept that goes well beyond the limitations of the traditional 2D game design classes and create an immersive 3D world. Students will learn the physics behind 3D games, explore beginner event scripting, level design, controlling flow of gameplay, and story telling. Student created games will be available on a password protected Black Rocket website to share with friends and family.

Jul 24 - 28 M-F Afternoons WDCC

**Minecraft Designers**  
**Fee: \$185**

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. To access their project at home students, must own a PC/MAC version of Minecraft. Table, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3D modeling software.

Jul 31 - Aug 4 M-F Afternoons WDCC