



KIDS & TEENS PROGRAMS Summer 2020

All Courses Will Be Virtual.

Science & Technology

3D Game Design 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. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 8-11

Mon-Fri June 29-July 3 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri June 29-July 3 1:30pm-4:30pm
Course Fee \$149

Ages 8-11

Mon-Fri July 13-17 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri July 13-17 1:30pm-4:30pm
Course Fee \$149

Battle Royale: Make Your First Fortnite® Style Video Game

Ages 8-14

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. This course includes cartoonish action and battle sequences. Student-created games are available on a password protected Black Rocket website to share with friends and family. Students work in pairs or teams for most of the program.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 8-11

Mon-Fri June 6-8 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri June 6-8 1:30pm-4:30pm
Course Fee \$149

Ages 8-11

Mon-Fri August 3-7 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri August 22-26 1:30pm-4:30pm
Course Fee \$149

Code Breakers

Ages 8-14

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 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 are available on a Black Rocket website to share with friends and family. Students work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

Mon-Fri July 6-10 9:30am-12:30pm
Course Fee \$149

Ages 8-11

Mon-Fri July 6-10 1:30pm-4:30pm
Course Fee \$149

Code Your Own Adventure! Interactive Storytelling

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WE RECOMMEND THAT YOU REGISTER AT LEAST ONE WEEK IN ADVANCE OF THE COURSE START DATE.



KIDS & TEENS PROGRAMS Summer 2020

Watch as the characters in your imagination come to life in this unique course that blends classic storytelling with animation techniques and coding. Start with a concept, design the characters, and choose not just one ending, but many! Learn how to create your own text-based adventure games with variables, conditional logic, images, HTML, CSS, and JavaScript. Students will work in pairs or teams for most of the program

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Ages 8-11

Mon-Fri July 27-31 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri July 27-31 1:30pm-4:30pm
Course Fee \$149

eSports Apprentice - YouTube© Streamers and Gamers

Ages 8-14

Whether you want to be the next pro gamer, streamer, or game caster this course teaches 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 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 gain full access to the eSports App and a video of their class tournament with commentary. Videos will not be broadcast publicly but shared with all students in the class.

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Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

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Course Fee \$149

Ages 8-11

Mon-Fri June 22-26 1:30pm-4:30pm
Course Fee \$149

Ages 11-14

Mon-Fri August 17-21 9:30am-12:30pm
Course Fee \$149

Ages 8-11

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New! Inventor's League - Prototyping for the Future!

Become an inventor of the future! Learn 'rapid prototyping' and problem solving as you conceptualize and design a product to solve a critical global issue. Each day begins with inspirational profiles of young inventors, such as the eleven-year-old who coded a robot to find victims of natural disasters. Next, research a problem to tackle in medicine, architecture, the environment, or a topic of your choosing. Once your vision is complete, learn how to draft 2D designs, 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. Students will work in pairs or teams for most of the program.

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Online Registration Link: <https://blackrocket.com/online/rvcc/>

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Ages 11-14

Mon-Fri July 6-10 1:30pm-4:30pm
Course Fee \$149

Ages 8-11

Mon-Fri July 20-24 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri July 20-24 1:30pm-4:30pm
Course Fee \$149

New! JavaScript Developer Jam

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

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Ages 11-14

Mon-Fri Aug 24-28 9:30am-12:30pm

Course Fee \$149

Ages 8-11

Mon-Fri Aug 24-28 1:30pm-4:30pm

Course Fee \$149

Make Your First Video Game

Ages 8-10

If you love playing video games, this is the class 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, challenge levels, 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 are 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. Students work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

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Course Fee \$149

Ages 11-14

Mon-Fri Aug 24-28 1:30pm-4:30pm

Course Fee \$149

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. 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.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

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Course Fee \$149

Ages 8-11

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Minecraft© Designers

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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. Tablet, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3D modeling software. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

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Ages 8-11

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Ages 11-14

Mon-Fri Aug 17-21 9:30am-12:30pm
Course Fee \$149

Ages 8-11

Mon-Fri Aug 17-21 1:30pm-4:30pm
Course Fee \$149

Minecraft Modders

Ages 8-14

Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements while creating your first mod! Introductory coding is taught through a simulated environment inspired by Minecraft. Student projects are available on a 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 version of Minecraft are not compatible. Students work together for most of the program. Returning students can create more advanced projects that build on previous years.

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Ages 8-11

Mon-Fri June 15-19 9:30am-12:30pm
Course Fee \$149

Ages 11-14

Mon-Fri June 15-19 1:30pm-4:30pm
Course Fee \$149

Ages 11-14

Mon-Fri July 27-31 9:30am-12:30pm
Course Fee \$149

Ages 8-11

Mon-Fri July 27-31 1:30pm-4:30pm
Course Fee \$149

New! Minecraft® Redstone Engineers

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 access their projects at home. Tablet, phone, and game console versions of Minecraft are not compatible. Students will work in pairs or teams for most of the program.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

Mon-Fri June 6-8 9:30am-12:30pm

Ages 8-11

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Course Fee \$149

Course Fee \$149

Ages 11-14

Mon-Fri August 10-14 1:30pm-4:30pm

Course Fee \$149

Pokémon® Masters: Designers & 3D Makers Unite!

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.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

Mon-Fri July 13-17 9:30am-12:30pm

Course Fee \$149

Ages 8-11

Mon-Fri July 13-17 1:30pm-4:30pm

Course Fee \$149

Python Programmers: Make Your Own Multiplayer Game!

Ages 8-14

YouTube, Google, Instagram and Spotify - what do they have in common? They were created with Python. Learn how to code with Python and create your first multi-player adventure game. Each lesson takes you step-by-step to start you on a programming path that let you challenge friends with fun a game you built from start to finish!

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Ages 11-14

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Ages 8-11

Mon-Fri August 3-7 9:30am-12:30pm

Course Fee \$149

Ages 11-14

Mon-Fri August 3-7 1:30pm-4:30pm

Course Fee \$149

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. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program.

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Ages 11-14

Mon-Fri June 15-19 9:30am-12:30pm

Course Fee \$149

Ages 8-11

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Summer 2020

Roblox Makers

Ages 8-14

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 are available on a password protected Black Rocket website to share with friends and family. Students work in pairs or teams for most of the program.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

Mon-Fri June 8-12 9:30am-12:30pm

Course Fee \$149

Ages 8-11

Mon-Fri June 8-12 1:30pm-4:30pm

Course Fee \$149

Rocket Kart Racers: Design A Mario Kart Style Game

Ages 6-12

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 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. Students will work together for most of the program.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 8-11

Mon-Fri July 20-24 9:30am-12:30pm

Course Fee \$149

Ages 11-14

Mon-Fri July 20-24 1:30pm-4:30pm

Course Fee \$149

Ages 11-14

Mon-Fri August 10-14 9:30am-12:30pm

Course Fee \$149

Ages 8-11

Mon-Fri August 10-14 1:30pm-4:30pm

Course Fee \$149

Video Game Animation

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 story line. 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 are 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. Students work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years.

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Course Fee \$149

Ages 8-11

Mon-Fri August 3-7 1:30pm-4:30pm

Course Fee \$149



KIDS & TEENS PROGRAMS

Summer 2020

Virtual Reality: The Future Is Now

Ages 8-14

Embark on an EPIC adventure in virtual reality! In this cutting-edge class, you 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 at home a student will need access to an Android or Apple mobile device. Students work in pairs or teams for most of the program.

Instructor: Black Rocket Productions Staff

Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 8-11

Mon-Fri August 17-21 9:30am-12:30pm

Course Fee \$149

Ages 11-14

Mon-Fri August 17-21 1:30pm-4:30pm

Course Fee \$149

YouTube Content Creators

Ages 6-12

Find your voice and leave your mark on the world! Whether you are six or sixty, 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! Student projects will be available on a password protected Black Rocket website to share with friends and family. Students work in pairs or teams for most of the program

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Online Registration Link: <https://blackrocket.com/online/rvcc/>

Ages 11-14

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Course Fee \$149

Ages 8-11

Mon-Fri June 29-July 3 1:30pm-4:30pm

Course Fee \$149

Ages 8-11

Mon-Fri August 10-14 9:30am-12:30pm

Course Fee \$149

Ages 11-14

Mon-Fri August 10-14 1:30pm-4:30pm

Course Fee \$149

Eureka!

Anyone can be an inventor so bring your imagination & let it SOAR. Create a squadron of paper airplanes the Wright brothers would be proud of! Explore technological advances in flight: hot air balloons, flying machines, stomp rockets, & spacecraft. Learn about and become inspired by Verne and Asimov! Discover the work of da Vinci, Edison, Tesla, and Benjamin Franklin and use what you learn to invent solutions to everyday problems.

Our virtual summer camps are engaging, fun and interactive! All materials for the daily join in experiments will be provided to each camper by Mad Science.

Instructor: Mad Science Staff

CRN 31408 YS919

Ages 7-12

Mon-Fri June 22-26 1:00pm-3:30pm

Course Fee \$149

CRN 31461 YS919

Ages 7-12

Mon-Fri July 20-24 9:00am-11:30am

Course Fee \$149

CRN 31462 YS919

Ages 7-12

Mon-Fri Aug 24-28 9:00am-11:30am

Course Fee \$149



KIDS & TEENS PROGRAMS

Summer 2020

NASA

Mad Science has teamed up with NASA in a quest for exploration! We'll take a voyage of discovery into the atmosphere and beyond as we explore planets, moons, and other space phenomena in our solar system. Things will heat up as we examine the sun and other stars and discover the difficulties of space travel! For added fun, we'll learn about the various technologies that make space exploration possible.

Our virtual summer camps are engaging, fun and interactive! All materials for the daily join in experiments will be provided to each camper by Mad Science.

Instructor: Mad Science Staff

CRN 31463 YS913

Ages 7-12

Mon-Fri July 6-10 9:00am-11:30am

Course Fee \$149

CRN 31464 YS913

Ages 7-12

Mon-Fri August 10-14 9:00am-11:30am

Course Fee \$149

Junior Physicians – Discovering the Human Body

Discover the anatomy of the world's most complicated system – the human body...from the privacy of your own home! In this program, kids will find out what it is like to journey through the human body. We will explore each of the different systems of the human body through hands-on experimentation. Activities include simulated blood typing, making Mr. Skeleton, making a map of the human tongue, a model heart, brain, and more. Students will also perform computer-operated simulated surgery through a password-protected website. Ages 7-12. (Simulations vary according to age level). Each challenge STEAM lesson will be delivered through YouTube video instruction by owner Dan Weissman. Students will receive a package of supplies for this program by first class mail. The class can be completed at the student's own pace and at any time they wish. Additionally, Super Science will offer live customer support by certified teachers via phone, email, and facetime between the hours of 8:30 a.m. and 2:30 p.m. daily, M-F June 22- August 14, 2020. Ages 7-12.

Instructor: Super Science Programs for Kids

CRN 31346 YS844

Ages 7-12

Mon-Fri June 22-Aug 14

Course Fee \$149

Chemical Wizardry

Get ready for a fun-filled "magical" laboratory experience Harry Potter style... from the comfort of your own home! This class is an introduction to the science of chemistry. In addition to learning about atoms, bonding, and the periodic table, you will enjoy making Flubber, Silly Putty, Super Hi- Bounce balls, and more. Have fun making light inside of a glow bottle, play dough, Glowing Goo, and even a tie-dye style shirt. We will create atomic worm polymers and lava lamp-like blobs. We will also demonstrate the Big Bang Cannon, diet Coke and Mentos Geyser, Magic Genie in the bottle, and more. Each lesson will be delivered through YouTube video instruction by owner Dan Weissman. Students will receive a package of supplies for this program by first class mail. The class can be completed at the student's own pace and at any time they wish. Additionally, Super Science will offer live customer support by certified teachers via phone, email, and facetime between the hours of 8:30 a.m. and 2:30 p.m. daily, M-F June 22- August 14, 2020. Ages 7-12.

Instructor: Super Science Programs for Kids

CRN 31357 YS623

Ages 7-12

Mon-Fri June 22-Aug 14

Course Fee \$115

Radical Reactions and Detective Science

Explore the role chemistry plays in solving crimes as you become a super sleuth investigator. Learn all about exciting chemical and physical reactions and how to test for acids and bases. Discover what chromatography is and create your own bandanas to wear using this amazing technique.

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Instructor: Mad Science Staff

CRN 31479 YS924

Ages 7-12

Mon-Fri June 29-July 3 9:00am-11:30am

Course Fee \$149

CRN 31480 YS924

Ages 7-12

Mon-Fri July 27-31 9:00am-11:30am

Course Fee \$149

Junior Scientists Lab

This program is all about making learning science fun! Using hands-on and inquiry-based activities, we will work on projects that will allow us to explore chemistry, physics, engineering, and more! *For our virtual programs, we will choose activities that use materials which can be found around the house or are easy to obtain, to make it as convenient as possible to do these projects from home.

Instructor: Smartycat Kids

CRN 31478 YS926

Ages: entering KDG – entering grade 5

Mon-Fri June 22-26 2:00am-3:00pm

Course Fee \$115

Where? Virtual program meeting via Zoom

Creative Art Lab

Let's get creative! In this program, we provide students with visual examples and techniques, yet encourage them to use their own ideas and methods as they explore their own artistic style. Whether painting, sculpting, sketching, or creating 3-dimensional recycled art, the creative possibilities are endless! *For our virtual programs, we will choose activities that use materials which can be found around the house or are easy to obtain, to make it as convenient as possible to do these projects from home.

Instructor: Smartycat Kids

CRN 31473 YE320

Ages: Entering KDG – Entering Grade 5

Mon-Fri July 13-17 2:00am-3:00pm

Course Fee \$115

Where? Virtual program meeting via Zoom

Junior Engineers

For this program, we will complete a wide variety of hands-on engineering challenges. We will learn how to create structures and machines, build and launch gliders, and participate in fun challenges. *For our virtual programs, we choose activities that use materials which can be found around the house or are easy to obtain, to make it as convenient as possible to do these projects from home.

Instructor: Smartycat Kids

CRN 31477 YE923

Ages: entering KDG – entering grade 5

Mon-Fri July 20-24 2:00am-3:00pm

Course Fee \$115

Where? Virtual program meeting via Zoom

Super Science STEAM

In this engineering camp, you will have fun integrating Science, Technology, Engineering, Art, and Mathematics by building and designing a wide range of gadgets, inventive machines, towers, crazy contraptions, and more...all from the comfort of your own home! Projects include: The Great Tower Challenge, Wooden Coaster Challenge, Structural Engineering Challenge, Magnificent Marble Machine, and a host of other fun contests designed to bring out the engineer in you! Each challenge STEAM lesson will be delivered through YouTube video instruction by owner Dan Weissman. Students will receive a package of supplies for this program by first class mail. The class can be completed at the student's own pace and



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Summer 2020

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Instructor: Super Science Programs for Kids

CRN 31482 YS924

Ages 7-12

Mon-Fri June 22-Aug 14

Course Fee \$115

Introduction to Astronomy with Stellarium

Stimulate your child's curious, bright mind with our new, 1-week online astronomy course, led by the Planetarium Director, Amie Gallagher and Planetarium Associate, Kevin Schindler. Students will discover the workings of the universe by exploring the foundations of astronomy and the many phenomena occurring outside Earth's atmosphere.

During each 90-minute session, students will dive into a new astronomy topic and apply their learning to in-session projects and discussion. Additional assignments will be given to complete outside of class using a free astronomy software, Stellarium, (introduced in the class) or through observation of the real sky outside. Each class will include a lecture, participatory discussions, and in-session projects.

By the end of the course, students will have an introductory knowledge of astronomy that will serve as a foundation for future science courses, or simply as extracurricular enjoyment.

Instructor: Amie Gallagher, RVCC Staff

CRN 31488 YS930

Ages: 11-14

Monday - Friday, July 20 - 24

Class Time: 1-2:30 pm

Course Fee: \$75

Super Science Make & Take - Toys that Teach

All of the projects can be taken home as they are made and as students proceed through each experiment. Make your own working telescope as you learn about the optics of light. Construct an electro-magnet and a working electric motor. Build an adjustable, ball-launching catapult that changes the trajectory of a flinging projectile. Create a working model of Hero Alexandria's fountain or vortex tornado in a bottle. Make ultra-violet bead bracelets, a working compass, submarine divers, and more. Each STEAM lesson will be delivered through YouTube video instruction. Students will receive a package of supplies for this program by first class mail. The class can be completed at the student's own pace and at any time they wish. Additionally, Super Science will offer live customer support by certified teachers via phone, email, and facetime between the hours of 8:30 a.m. and 2:30 p.m. daily, M-F June 22- August 14, 2020. Ages 7-12.

Instructor: Super Science Programs for Kids

CRN 31481 YS923

Ages 7-12

Mon-Fri June 22-Aug 14

Course Fee \$149

Mini Robotics: Sphero and BristleBots

Have fun experimenting with mini robots from the privacy of your home! Coding, robotics, art, STEAM, and computer science will come alive with tiny, programmable mini-robots. Learn to use the Sphero mini app to drive in different modes, program with Javascript, or as a controller to play games. Our instruction will help you to really have fun and learn with your robot. Then have fun using toothbrush motor and vibration technology to build and take home your own "Bristlebot and Sphero Mini!" Each lesson will be delivered through YouTube video instruction by owner Dan Weissman. Students will receive a package of supplies for this program by first class mail. The two robots are included in the course price. The class can be completed at the student's own pace and at any time they wish. Ages 7-12. Instructor: Super Science Programs for Kids

CRN 31418 YS672

Ages 7-12

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WE RECOMMEND THAT YOU REGISTER AT LEAST ONE WEEK IN ADVANCE OF THE COURSE START DATE.



KIDS & TEENS PROGRAMS

Summer 2020

Mon-Fri June 22-Aug 14
Course Fee \$115

Edible Science

Now Finally You can EAT your Experiments. This class is designed to transform the kitchen into a science lab. By incorporating the following life science, biology, chemistry, solar system exploration and earth sciences into these simple experiments. Where Science and Food meets. Students will eat them up!

Instructor: The PROfessional YOU

CRN 31491 YS931

Ages 6-12

Mon-Fri July 27-31 8:30am-10:30am

Course Fee \$100

CRN 31492

YS931

Ages 6-12

Mon-Fri Aug 10-14 8:30am-10:30am

Course Fee \$100

ENRICHMENT

Chapter Book Authors Workshop

This fun and very challenging class introduce the students to the process of writing a short chapter book. The student's study and examine short chapter books for children. They create their own three-chapter book.

Instructor: Anne Kistrup, RVCC Staff, RVCC Staff

CRN 31430 YE299

Ages 11-14

Mon-Fri Aug 3-7 10:00am-11:30pm

Course Fee \$100

Reading and Writing Boot Camp

This course is designed to boost your confidence in reading and writing. The focus is on writing and reading proficiency and reading comprehension. There also is time for fun!

Instructor: Anne Kistrup, RVCC Staff

CRN 31465 YE293

Ages 10-14

Mon-Fri July 13-17 10:00am-11:30pm

Course Fee \$100

Workshop for Young Writers

This class encourages writing as an art form in ways that are fun, yet engaging and effective in keeping with current research in the field of writing studies. All you need to bring is your imagination, and we provide the rest.

Instructor: Anne Kistrup, RVCC Staff

CRN 31282 YE018

Ages 11-14

Mon-Fri July 20-24 10:00am-11:30am

Course Fee \$100

Writing Skills Workshop

This class helps students develop good writing and critical thinking skills. Good mechanics and effective word usage, sentence and paragraph structure are emphasized. Topics to be covered include expository, persuasive, and narrative writing.

Instructor: Anne Kistrup, RVCC Staff, RVCC Staff

CRN 31489 YE324

Ages 11-14

Mon-Fri June 22-26 10:00am-11:30pm

CRN 31490 YE324

Ages 11-14

Mon-Fri Aug 10-14 10:00am-11:30pm

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WE RECOMMEND THAT YOU REGISTER AT LEAST ONE WEEK IN ADVANCE OF THE COURSE START DATE.



KIDS & TEENS PROGRAMS Summer 2020

Course Fee \$100

Course Fee \$100

Edible Art

Create art that's edible! In this class, unique pieces of art and crafts will be created, with food! In the comfort of the classroom. Have fun while exploring food and confections that are transformed into art masterpieces - Where Yummy Art is consumed - **Art you can EAT!**

Instructor: The PROfessional YOU

CRN 31337 YA762

Ages 6-12

Mon-Fri July 27-31 1:00pm-3:00pm

Course Fee \$100

CRN 31402 YA762

Ages 6-12

Mon-Fri Aug 10-14 1:00pm-3:00pm

Course Fee \$100

Cool Cooking Connect!

Designed for students to jump right into cooking and food basics. Chefs learn to recognize and use tools and appliances, read recipes and labels, create shopping lists, and continued cooking safety. They have fun learning basic food prep, snack making and cooking/food skills for beginners. The favorite part of this class is making recipes that include tasting their creations and learning "Setting the Table" and Etiquette Skills. Children with food allergies/sensitives, please use caution.

Instructor: The PROfessional YOU

CRN 31312 YE313

Mon-Fri Aug 3-7 8:30am-10:30am

Course Fee \$100

Time Management & Organization

Tired of forgetting, things getting misplaced or put on the back burner? Key concepts that will be focused on are: Building a Well-Constructed Schedule, Key Calendar dates, Determining Your Priorities and Ways to SAVE time. TIME to get it DONE, so YOU can have MORE FUN; and prepare for a successful next school year! YOUR TIME IS NOW!

Instructor: The PROfessional YOU

CRN 31311 YE288

Ages 9-14

Mon-Fri June 22-26 8:30am-10:30am

Course Fee \$100

Manners and Etiquette

Manners and Etiquette are important skills in an ever-increasing use of technology world! Explore "in person behavior," "out in public" conduct, phone calls, texting, emailing and table manners. Learn how to stay engaged in a conversation and use inside and outside voices. Have FUN exploring different interactive skills/processes that will help you successfully show good Manners and Etiquette.

Instructor: The PROfessional YOU

CRN 31493 YE325

Ages 6-12

Mon-Fri Aug 3-7 1:00pm-3:00pm

Course Fee \$100

Vision Boards and Goal Setting

Looking for a creative way to help your child realize their potential? In this class students will master the art of goal setting by embracing personal action plans, learning to set priorities and other skills it takes to reaching personal achievement. Each student will create their own unique and customized dream/vision board to help them express their goals and provide consistent inspiration to pursue them.

Instructor: The PROfessional YOU

CRN 31496 YE326

Ages 9-14



KIDS & TEENS PROGRAMS Summer 2020

Mon-Fri June 22-26 1:00pm-3:00pm
Course Fee \$100

Chess Yes! – Beginner Training

Learn the rules of this great centuries' old game and get started playing and having FUN! This class is for those who don't know anything about chess and for those beginners who know how to play a little, but want to learn what they should do to be a better chess player. Get a quick overview of how to win a chess match -- not just the checkmating of your opponent, but how to get to that point. Online Zoom lecture and worksheet puzzle sessions and class chess play with www.lichess.org internet accounts will be used to teach you.

Instructor: Coach Marty Sobin, Jersey Chess

CRN 31289 YE039-02

Mon-Fri June 22-26 11:00pm-12:15pm

Course Fee \$149

CRN 31458 YE039-03

Mon-Fri July 6-10 1:00pm-2:15pm

Course Fee \$149

CRN 31459 YE039-04

Mon-Fri Aug 3-7 9:00am-10:15am

Course Fee \$149

CRN 31460 YE039-05

Mon-Fri Aug 10-14 11:00am-12:15pm

Course Fee \$149

Chess Yes! - Advanced Beginners Training

You know the rules of chess; now it's time to learn how to beat your parents, friends, and schoolmates at the game! Students should have either taken a beginner's course or have played sufficiently to have some idea of what you are trying to do and how to do it. Course topics will include checkmating positions, basic opening ideas and chess tactics. Zoom online lecture and worksheet puzzle sessions and class chess play using accounts on www.lichess.org will be used to help you become a better player. You will also learn about the active environment of kid's tournament chess, as well as the numerous resources that are available to help you learn and play the game.

Instructor: Coach Marty Sobin, Jersey Chess

CRN 31291 YE040-02

Mon-Fri June 22-26 9:00am-10:15am

Course Fee \$149

CRN 31469 YE040-01

Mon-Fri June 29-July 3 1:00pm-2:15pm

Course Fee \$149

CRN 31470 YE040-02

Mon-Fri Aug 3-7 11:00am-12:15pm

Course Fee \$149

CRN 31471 YE040-01

Mon-Fri Aug 17-21 1:00pm-2:15pm

Course Fee \$149

Chess Club for Advanced Beginner/Intermediate Players

For advanced beginner to intermediate level players. If you know how to play, but want to be a better player, then this is the class for you. Really get into the game of chess with lots of game play on www.lichess.org, with "Coach Marty" watching and reviewing some of your games. There will be some short online Zoom training and chess puzzles and worksheet sessions, but the emphasis will be on playing and reviewing your games with www.lichess.org internet accounts. There will be a "Club" tournament where you can try to be the Class Champion. Get a head start on the new chess season starting in September -- the "Club" is where to do it! Instructor: Coach Marty Sobin, Jersey Chess

CRN 31292 YE220-01

Mon-Fri June 22-26 1:00pm-2:15pm

Course Fee \$149

CRN 31293 YE220-01

Mon-Fri June 29-July 3 11:00am-12:15pm

Course Fee \$149

CRN 31454 YE040-01

Mon-Fri July 6-10 9:00am-10:15pm

Course Fee \$149

CRN 31455 YE040-02

Mon-Fri Aug 10-14 1:00pm-2:15pm

Course Fee \$149

CRN 31457 YE040-01

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KIDS & TEENS PROGRAMS Summer 2020

Mon-Fri Aug 17-21 11:00am-12:15pm
Course Fee \$149

Expository Essay Writing

The student will learn how to write an informative essay in a clear, concise format. Use of z correct grammar, accurate spelling, and good phrasing will be stressed.

Instructor: Anne Kistrup, RVCC Staff, RVCC Staff

CRN 31476 YE318

Ages 11-14

Mon-Fri July 6-10 10:00am-11:30pm

Course Fee \$100

FINE ART

Crayola Wild World

Children explore the wonder and beauty of the animal kingdom as they learn about lions, elephants, sharks and more. We learn how wildlife conservationists are working to protect species around the world. Children experiment with a variety of art techniques, and use Crayola® materials to create frog paintings, ink-diffusion jellyfish, polar bear sculptures, and more! Our virtual summer camps are engaging, fun and interactive! All materials for the daily join in experiments will be provided to each camper by Mad Science.

Instructor: Mad Science Staff

CRN 31474 YE317

Ages 7-12

Mon-Fri July 13-17 9:00am-11:30am

Course Fee \$149

CRN 31475 YE317

Ages 7-12

Mon-Fri August 3-7 9:00am-11:30am

Course Fee \$149

Young Rembrandts Online Drawing Lessons

Online summer classes by Young Rembrandts is a series of prerecorded drawing videos containing high-quality art instruction that will teach basic to advanced drawing skills, art techniques and vocabulary. The course gives children the essential skills to express their creativity and was developed under the belief all children can - and should - learn to draw. Length: Each lesson is 40 to 50-minutes of drawing and coloring instruction and takes approximately 1 hour to complete. Participants can stop, rewind, and restart the recording anywhere and anytime they choose. Created for ages 6 to 13 years old but really there are no restrictions, so family members ages 0-99 yrs. can participate too! Make it a family event! First of five lessons will be sent to you at 9 am on Monday June 22,2020. Each lesson is emailed out at 9 am daily.

CRN 31484 YE319

Ages 6-13

Mon-Fri June 22-26 9:00am-10:00am

Course Fee \$75

Junior Under the Sea Workshop 2020

This workshop gives our students the chance to draw all the different things we see and imagine under the sea! Friendly and fun characters like narwhals, pufferfish, jellyfish, mermaids and more will fill our pages! We look forward to using bold colors and learning how to create strong, defined shapes. Enroll today to get your spot!

Instructor: Young Rembrandts

CRN 31486 YE321

Ages 4-7

Mon-Fri July 20 – 24 9:30am-10:30am

Course Fee \$75

Learn Anime/Manga Drawing 2020



KIDS & TEENS PROGRAMS Summer 2020

Calling all otaku kids! Join the Anime Manga workshop and learn to draw your favorite Japanese style art. This five-day workshop will tap into everyone's imagination while learning to draw cute manga inspired characters, accessories, and costumes. Your child's talent is about to take off - register now to save your child's spot in this kawaii workshop focused on technique and creativity!

Instructor: Young Rembrandts

CRN 31485 YE323

Ages 4-7

Mon-Fri July 27-31 9:30am-10:30am

Course Fee \$110

Faces, Fashion and Flowers

For fashionistas, florists and budding makeup artists! Every day, students will be challenged and delighted drawing images that exude femininity and loveliness. Students will draw and color facial features, stretch their imaginations illustrating whimsical flowers and challenge their creativity when tying them all together in fanciful settings. Prepare for elegance and a heap of drawing excellence! Enroll your child today!

Instructor: Young Rembrandts

CRN 31487 YE322

Ages 6-13

Mon-Fri Aug 3-7 9:30am-11:30am

Course Fee \$110

K-12 MATH & LANGUAGE ARTS ASSISTANCE

Kindergarten/1st Grade Summer Program

English & Language Arts (ELA)

Students In Kindergarten/First Grade language arts will review the alphabet and the basic features of letters and words. They will break down spoken and written words into syllables and letters and identify the sounds each letter makes. Students will discuss, draw, and write about what they read and learn. Students will also learn to write and share information in a variety of ways, including drawing, writing letters, and words, listening to others, and speaking aloud. They will practice asking and answering questions about what is read. They will write to describe an event, provide information on a topic, or share an opinion. In their writing, students will work on putting together clear sentences on a range of topics using a growing vocabulary.

Math

Students in Kindergarten/First Grade math students will be able to show and use whole numbers. They will learn to describe shapes and spaces. In order to accomplish these two main goals students will learn to know number names, count objects, and compare numbers. They will be introduced to the concept of place value with numbers 11-19. Students will begin to be introduced to addition and subtraction and be able to perform addition and subtraction within 20. They will work with addition and subtraction equations and understand the relationship between addition and subtraction. Students will begin to understand the properties of shapes and how to create them. They will learn how to put some shapes together to create a new shape.

Online Registration Link: <https://form.jotform.com/201533963935157>

Ages: 5-7

Mon-Fri 10:00am to 11:00am

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WE RECOMMEND THAT YOU REGISTER AT LEAST ONE WEEK IN ADVANCE OF THE COURSE START DATE.



KIDS & TEENS PROGRAMS Summer 2020

Course Fee: \$90/week

2nd Grade Summer Program

English & Language Arts (ELA)

Students in second grade language arts will focus on the main second grade standard topics including asking questions while reading, find the main topic and recount stories, describe characters and connections, determine and describe the meaning of words and phrases, understand the structure of stories and text features, explain how images help a text, identify connections between a text, and compare and contrast different versions of a story. Skills are presented and become proficient during the course through small group instruction and authentic assessments.

Math

Students in second grade math will focus on second grade standards including, addition fact strategies, doubles and near doubles, addition fact patterns, subtraction strategies, solving addition and subtraction word problems, identifying even or odd numbers, making arrays to find totals and problem solving.

Online Registration Link: <https://form.jotform.com/201533963935157>

Ages: 6-8

Mon-Fri 10:00am to 11:00am

Course Fee: \$90/week

3rd Grade Summer Program

English & Language Arts (ELA)

Students in third grade ELA will gather information from books, articles, and online sources to build understanding of a topic. They will begin to write research or opinion statements over extended periods of time. In their writing, students will pay more attention to organizing information, developing ideas, and supporting these ideas with facts, details, and reasons.

Math

Student in third grade math are exposed to the major domains of mathematics including: number & operations—fractions, solve problems involving multiplication and division, solve problems involving the four operations, recognize perimeter, understand concepts of area, and reason with shapes and their attributes. instruction is structured to allow sufficient time to move from concrete experiences to abstract conceptual understanding. Skills are presented and become proficient during the course through small group instruction and authentic assessments.

Online Registration Link: <https://form.jotform.com/201533963935157>

Ages: 7-9

Mon-Fri 10:00am to 2:00pm

Course Fee: \$180/week for 3 courses; \$150/week for 2 courses; \$90/week for 1 course

4th Grade Summer Program

English & Language Arts (ELA)



KIDS & TEENS PROGRAMS

Summer 2020

Students in fourth grade ELA will continue to build important reading, writing, speaking, and listening skills. Students will learn to clearly explain in detail what they have read during collaborative discussions by referring to details or information from the text. In writing, students will organize their ideas and develop topics with reasons, facts, details, and other information. Skills are presented and become proficient during the course through small group instruction and authentic assessments.

Math

Students in fourth grade math are exposed to the major domains of mathematics including: Operations & Algebraic Thinking, Number & Operations in Base Ten, Number and Operations in Fractions, Measurement Data, and Geometry. Instruction is structured to allow sufficient time to move from concrete experiences to abstract conceptual understanding. Skills are presented and become proficient during the course through small group instruction and authentic assessments.

Online Registration Link: <https://form.jotform.com/201533963935157>

Ages: 8-10

Mon-Fri 10:00am to 2:00pm

Course Fee: \$180/week for 3 courses; \$150/week for 2 courses; \$90/week for 1 course

5th Grade Summer Program

English & Language Arts (ELA)

Students in fifth grade ELA will focus on main standard topics including quoting accurately from a text, identifying the main idea and key details, comparing and contrasting; relationships and interactions, meaning of words and phrases, craft and structure of the text, point of view, and identifying tone and drawing information. Instruction is structured to allow sufficient time to move from concrete experiences to abstract conceptual understanding. Skills are presented and become proficient during the course through repeated exposure, small group instruction, and authentic assessments.

Math

Students in fifth grade math are exposed to the major domains of expressions and equations, the number system, ratio and proportional relationships, geometry, and statistics programs. Instruction is structured to allow sufficient time to move from concrete experiences to abstract conceptual understanding. Skills are presented and become proficient during the course through repeated exposure, small group instruction, and authentic assessments.

Online Registration Link: <https://form.jotform.com/201533963935157>

Ages: 9-11

Mon-Fri 10:00am to 2:00pm

Course Fee: \$180/week for 3 courses; \$150/week for 2 courses; \$90/week for 1 course

Middle/HighSchool Summer Program

6th Grade English & Language Arts (ELA)

Students will learn how to understand what they read in a text and evaluate an author's assumptions and claims. Students will conduct research that will require the analysis of resources and accurate interpretation of literary and informational text. They will use technology and digital media strategically and capably to enhance their reading, writing, speaking, listening and language use.



KIDS & TEENS PROGRAMS

Summer 2020

7th Grade English & Language Arts (ELA)

In this course, students learn writing, research, listening, and speaking skills from the English Language Arts. Students compose a variety of genres at increasing levels of difficulty each year. Students complete research projects, present their findings, and engage in discussions with their peers. They learn grammar usage, vocabulary, and other English language skills within the context of reading and writing.

8th Grade English & Language Arts (ELA)

This course emphasizes the development of specific writing types; arguments, informative/explanatory texts, and narratives in which the development, organization, and style are appropriate to task, purpose, and audience. Students demonstrate increasing sophistication in all aspects of language use. A variety of literature and informational texts serve as models to improve writing skills. Students actively seek to understand other perspectives and cultures through reading and listening. Technology is used thoughtfully to enhance reading, writing, speaking, listening, and language use.

9th Grade English & Language Arts (ELA)

This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming writers who compose for a variety of purposes. The course enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.

10th Grade English & Language Arts (ELA)

English 2 introduces students to representative works of American writers who reflect the enduring traditions and styles of American Literature. Students will analyze the development of the American national identity and evolution of American voice through a progression of literary styles. Students continue the study of vocabulary, grammar, mechanics and usage. The development of writing skills is a high priority. The essay and expository writing forms are studied and correlated with skills in organization and logic. This course will also provide preparation for the PSAT and SAT verbal sections.

Pre-Algebra

Students in Pre-Algebra will be introduced to use basic properties of the real number system. They will solve problems involving signed number operations, simple equations, order of operations, perimeter/circumference, area, surface area and volume of shapes. As students master these basic operations, they will move into basic algebra. Students will learn basic operations with integers, rational numbers, irrational, and real numbers; the use of variables; properties of numbers and of equality; solving equations and inequalities; problem solving; relations and functions; and polynomials. Students will understand the concepts to the extent of real life applications.

Algebra-1

Students in Algebra-1 will cover standards based concepts including real numbers, linear, exponential, quadratic graphs and their properties, translating the graphs on the coordinate grid, applications of equations, factoring polynomials, radical and rational expressions.

Geometry

Students in Geometry will cover standards based concepts including drawing nets, deductive and inductive reasoning, writing proofs, properties of parallel and perpendicular lines, properties of polygons, equations of circles, trigonometry, probability, permutations and combinations.

Algebra-2



KIDS & TEENS PROGRAMS Summer 2020

Students in Algebra-2 will cover standards based concepts including solving systems of equations, simplifying polynomials, real and complex number systems, using powers, roots and radicals, logarithms, sequences and series, functions, techniques for graphing nonlinear equations and trigonometry.

Online Registration Link: <https://form.jotform.com/201533963935157>

Ages: 11-17

Mon-Fri 10:00am to 2:00pm

Course Fee: \$180/week for 3 courses; \$150/week for 2 courses; \$90/week for 1 course

SPORTS CAMPS

5th Quarter Health & Wellness Camp

This course provides a transformational leadership style to service students, focusing on Mental Health Support, Health and Wellness, and Physical Activities. We believe that by unleashing the passion and purpose of our students through physical, mental, and social well-being exercises we can be a support system that increases mental and wellness health. Our goal is to get students to be stronger mentally and physically; begin to develop an understanding of mindfulness and meditation, while driving on self-control, grit, and growth mindset vs. fixed mindset.

Instructor: High Level 5th Quarter Training

CRN 31431 YE005

Mon-Fri June 22-26 9:00am-11:00am

Course Fee \$165

CRN 31434 YE005

Mon-Fri July 20-24 9:00am-11:00am

Course Fee \$165

CRN 31439 YE005

Mon-Fri Aug 3-7 9:00am-11:00am

Course Fee \$165

CRN 31432 YE005

Mon-Fri July 6-10 9:00am-11:00am

Course Fee \$165

CRN 31435 YE005

Mon-Fri July 27-31 9:00am-11:00am

Course Fee \$165

CRN 31440 YE005

Mon-Fri Aug 10-14 9:00am-11:00am

Course Fee \$165