



KIDS & TEENS PROGRAMS

Summer 2019

COMPUTERS

Fun with Photoshop

Ages 11-15

Adobe Photoshop is fun and exciting! Students are taught the fundamentals of Adobe Photoshop using youth oriented project, such as digitally morphing humans and animals, and digital self-portrait! Please bring a **peanut free** snack and a drink.

Instructor: Lluana Jones

CRN 31248 YT335-01 5 sessions
Mon-Fri June 24-28 1:00-4:00pm

CRN 31249 YT335-02 5 sessions
Mon-Fri July 15-19 1:00-4:00pm

Course Fee: \$180

Web Page Design

Ages 8-10

Design your own Web page! Exploring kid-friendly sites on the World Wide Web and design a working Web page. Please bring a **peanut free** snack and a drink.

Instructor: Lluana Jones

CRN 31250 YT303-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm

Course Fee: \$180

Keyboarding

Ages 8-14

Students perfect their touch-keyboarding skills and learn the fundamentals of word processing. Please bring a **peanut free** snack and a drink.

Instructor: Lluana Jones

CRN 31251 YT301-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm

Course Fee: \$180

New! 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

5 sessions

CRN 31252 YT386-01 Ages 8-10
Mon-Fri June 24-28 9:00am-12:00pm

CRN 31254 YT386-02 Ages 11-14
Mon-Fri June 24-28 1:00-4:00pm

Course Fee: \$205

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

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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. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff
CRN 31255 YT323-01 5 sessions
Mon-Fri June 24-28 1:00-4:00pm
Course Fee: \$205

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. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff
CRN 31256 YT331-01 5 sessions
Mon-Fri June 24-28 9:00am-12:00pm
Course Fee: \$205

App Attack! Make Your First Game App

Ages 8-14

Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app & game development tool, students explore the world of web-based (HTML5) mobile apps. In addition to learning the basics of mobile app design and game development, you also see firsthand how the world of App publishing functions. Student-created apps are 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. Students work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff
5 sessions
CRN 31257 YT341-01 Ages 11-14
Mon-Fri July 8-12 9:00am-12:00pm

CRN 31258 YT341-02 Ages 8-10
Mon-Fri July 8-12 1:00-4:00pm
Course Fee: \$205

Code Breakers

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 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

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pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

CRN 31259 YT352-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm
Course Fee: \$205

Code Your Own Adventure! Interactive Storytelling

Ages 11-14

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 work in pairs or teams for most of the program. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

CRN 31260 YT382-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm
Course Fee: \$205

Make Your First 3-D Video Game!

Ages 8-14

In this Black Rocket classic, you go well beyond the limitations of the traditional 2D game design classes and create an immersive 3D world. Students learn the physics behind 3D games, explore beginner event scripting, level design, controlling the flow of gameplay, and storytelling. 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. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

5 sessions
CRN 31261 YT327-01 Ages 8-10
Mon-Fri July 15-19 9:00am-12:00pm

CRN 31253 YT327-02 Ages 11-14
Mon-Fri July 15-19 1:00-4:00pm
Course Fee: \$205

Minecraft Modders

Ages 8-14

Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mod! Introductory coding also 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 in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

5 sessions
CRN 31262 YT358-01 Ages 11-14
Mon-Fri July 15-19 9:00am-12:00pm

CRN 31263 YT358-02 Ages 8-10
Mon-Fri July 15-19 1:00-4:00pm
Course Fee: \$205

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Roblox Coders-Entrepreneurs

Ages 8-14

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 class combines game design concepts, coding, and fun! Young entrepreneurs also learn how to navigate Roblox's fast growing marketplace to publish their games. 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. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

5 sessions

CRN 31264 YT381-01 Ages 11-14
Mon-Fri July 22-26 9:00am-12:00pm

CRN 31265 YT381-02 Ages 8-10
Mon-Fri July 22-26 1:00-4:00pm

Course Fee: \$205

New! 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

5 sessions

CRN 31266 YT390-01 Ages 8-10
Mon-Fri July 22-26 9:00am-12:00pm

CRN 31267 YT390-02 Ages 11-14
Mon-Fri July 22-26 1:00-4:00pm

Course Fee: \$205

Advanced Robotics

Ages 8-14

During this class your team learn to program a robot to overcome daily class challenges using a using visual and text based programming. You see firsthand how your program translates into action as you attempt to control your robot and participate in daily team challenges. You and your teammate will apply programming concepts while using the scientific method to formulate, observe, experiment, test, and modify your program based on your robot's observable actions. Each day you have a new challenge for your team robot. Projects/Videos are available on a Black Rocket website to share with friends and family. Students work in pairs or teams for most of the program. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

5 sessions

CRN 31268 YT383-01 Ages 8-10
Mon-Fri July 29-Aug 2 9:00am-12:00pm

CRN 31269 YT383-02 Ages 11-14
Mon-Fri July 29-Aug 2 1:00-4:00pm

Course Fee: \$205



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New! Adventures in Augmented Reality

Ages 8-14

Watch as holograms come to life in the first ever augmented reality for kids! Students work in cutting-edge software to create holographic scenes that are viewable with a smartphone and a magic futuristic cube. 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

5 sessions

CRN 31270 YT391-01 Ages 11-14
Mon-Fri July 29-Aug 2 9:00am-12:00pm

CRN 31271 YT391-02 Ages 8-10
Mon-Fri July 29-Aug 2 1:00-4:00pm

Course Fee: \$225

New! eSports Apprentice - YouTube© Streamers and Gamers

Ages 8-14

Whether you want to be the next pro gamer, streamer, or gamecaster 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 are shared with all students in the class.

Instructor: Black Rocket Productions Staff

CRN 31272 YT387-01 5 sessions
Mon-Fri Aug 5-9 9:00am-12:00pm

Course Fee: \$205

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!

Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff

5 sessions

CRN 31273 YT379-01 Ages 11-14
Mon-Fri Aug 5-9 9:00am-12:00pm

CRN 31274 YT379-02 Ages 8-10
Mon-Fri Aug 5-9 1:00-4:00pm

Course Fee: \$205

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. Please bring a **peanut free** snack and a drink.

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Instructor: Black Rocket Productions Staff
CRN 31275 YT372-01 5 sessions
Mon-Fri Aug 5-9 1:00-4:00pm
Course Fee: \$225

App.IO: Make Your First Multiplayer App!

Ages 8-14

The hottest new Apps are IO apps! If your child likes to play Agar.io or Slither.io they will love this class! Become the creator of the next viral web app and share with family and friends! In this class students explore the most popular .IO apps, design their own multiplayer experience, and learn how code their own. Students work in pairs or teams for most of the program. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff
5 sessions
CRN 31276 YT385-01 Ages 8-10
Mon-Fri Aug 12-16 9:00am-12:00pm

CRN 31277 YT385-02 Ages 11-14
Mon-Fri Aug 12-16 1:00-4:00pm
Course Fee: \$205

Drone Adventures

Ages 8-14

The Drones are here! Let the battles begin. In this hands-on, interactive class you learn how to fly and drive drone robots. Working in teams you are able to code your drone to compete in missions that prepare you for the ultimate team challenge at the end of the week. Students work in pairs or teams for most of the program. Please bring a **peanut free** snack and a drink.

Instructor: Black Rocket Productions Staff
5 sessions
CRN 31278 YT378-01 Ages 11-14
Mon-Fri Aug 12-16 9:00am-12:00pm

CRN 31279 YT378-02 Ages 8-10
Mon-Fri Aug 12-16 1:00-4:00pm
Course Fee: \$205

Computer Programming with Ozobot, Makey Makey and SCRATCH

Ages 6-12

In this exciting program, robotics and coding become elementary! Have fun expanding your horizons with the help of Ozobot – the tiny smart robot. There is no end to the possibilities, as you create a different landscape of adventures, games and coding with Ozobot. Imagine, a learning toy that opens the doors of computer science, STEM education, robotics and coding with simple color-coded commands and “Ozoblocky,” a coding language powered by Google’s Blockly program. Ozobot Bit’s ability to learn your programs, and then play them back is a big game changer to how young minds play and learn. OzoBlockly – a block-based visual editor – offers five step up modes from Novice to Master to appeal to young kids and even to challenge the seasoned programmer. Students use markers, tablets and laptops for coding. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff
CRN 31281 YS871-01 5 sessions
Mon-Fr June 24-28 1:00-4:00pm
Course Fee: \$190



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Intro. to Computer Animation

Ages 7-12

Ready, Set, Action! In this program, you create your own stop motion animation videos, use a stop motion camera, and have fun designing and creating your own videos. Students learn the basic skills needed to create and animate. Whether you are making a LEGO® brick film; animating in claymation or capturing a flower bloom using time-lapse photography, you can bring anything to life with computer animation. Students learn to copy, edit, move and delete animation frames. Jazz up your creations by learning to import music and sounds, adding special effects, and more. All students save their movies to share. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31280 YT376-01 5 sessions

Mon-Fri July 29-Aug 2 9:00am-12:00pm

Course Fee: \$190

ENRICHMENT

Workshop for Young Writers

Grades 1-8

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. Please bring a **peanut free** snack and a drink.

Instructor: Staff

10 sessions

Mon-Fri July 15-26 9:00am-12:00pm

Grade completed as of June 2019.

CRN 31282 YE018-01 Grades 1 & 2

CRN 31283 YE018-02 Grades 3, 4, & 5

CRN 31284 YE018-03 Grades 6, 7, & 8

Course Fee: \$344

Chapter Book Authors

Ages 11-14

This fun and very challenging class introduces the writer to the process of writing a short chapter book. The students study and examine short chapter books for children. They create their own three chapter book. Please bring a **peanut free** snack and a drink.

Instructor: Anne Kistrup

CRN 31285 YE182-01 5 sessions

Mon-Fri June 24-28 9:00am-12:00pm

Course Fee: \$190

Young Author's

Ages 9-12

This challenging and fun filled class is a must for all those who enjoy writing. Students study various children's book authors and illustrators. They learn how to write a picture book. Please bring a **peanut free** snack and a drink.

Instructor: Anne Kistrup

CRN 31286 YE060-01 5 sessions

Mon-Fri Aug 5-9 9:00am-12:00pm

Course Fee: \$190



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Writing Skills

Ages 11-14

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. Please bring a **peanut free** snack and a drink.

Instructor: Anne Kistrup

CRN 31287 YB746-01 5 sessions
Mon-Fri Aug 12-16 9:00am-12:00pm

Course Fee: \$190

Chess Yes! – Beginner Training

Ages 6-14

Learn the rules of this great centuries' old game! 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. Worksheets, puzzles and class chess play will be used to teach you. Please bring a **peanut free** snack and a drink.

Instructor: Coach Marty Sobin, Jersey Chess

CRN 31288 YE039-01 5 sessions
Mon-Fri June 24-28 9:00am-12:00pm

CRN 31289 YE039-02 5 sessions
Mon-Fri Aug 5-9 1:00-4:00pm

Course Fee: \$190

Chess Yes! - Advanced Beginners Training

Ages 6-14

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 include checkmating positions, basic opening ideas and chess tactics. Short lectures, worksheets, chess puzzles, and class chess play are used to help you become a better player. You 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. Please bring a **peanut free** snack and a drink.

Instructor: Coach Marty Sobin, Jersey Chess

CRN 31290 YE040-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm

CRN 31291 YE040-02 5 sessions
Mon-Fri Aug 12-16 1:00-4:00pm

Course Fee: \$190

Chess Club for Advanced Beginner/Intermediate Players

Ages 6-14

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. There are some short training sessions and chess puzzles and worksheets, but the emphasis is on playing and reviewing your games. There will be a "Club" tournament where you can win prizes and 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! Please bring a **peanut free** snack and a drink.

Instructor: Coach Marty Sobin, Jersey Chess

CRN 31292 YE220-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm

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CRN 31293 YE220-02 5 sessions
Mon-Fri Aug 12-16 9:00am-12:00pm
Course Fee: \$190

Boost Your Abilities with Puzzles, Games and Contests

Ages 8-14

Strap on your thinking caps and be ready for some fun challenges! You can become a champ at games like Scrabble, Boggle, Charades, Pictionary, Scattergories and Monopoly. Learn a few math tricks to make you a calculating wizard; and sharpen your logic skills to solve our Solitaire Battleship puzzles. You might even lead your team to victory with your knowledge, quickness of mind and talents! Studies show that these types of activities increase learning, teach discipline and develop social interaction -- but best of all, they are lots of fun. Please bring a **peanut free** snack and a drink.

Instructor: Coach Marty Sobin, Jersey Chess
CRN 31294 YE061-01 5 sessions
Mon-Fri June 24-28 1:00-4:00pm
Course Fee: \$190

CRN 31295 YE061-02 5 sessions
Mon-Fri Aug 5-9 9:00am-12:00pm
Course Fee: \$190

Juggling for All Skill Levels

Ages 8-16

Learn 2, 3 and 4 balls. Work on two person and passing tricks. Learn other props: like juggling sticks, spinning plates, poi, rings, clubs and lots of fun juggling games too. This course is best for absolute beginners and intermediate jugglers. Advanced jugglers are invited to attend as well. Please bring a **peanut free** snack and a drink.

Instructor: Lou DeLauro
CRN 31296 YE117-01 5 sessions
Mon-Fri July 22-26 9:00-12:00pm
Course Fee: \$190

SAT Accelerated Test Prep

Entering Grades 11 & 12

This course offers an accelerated and comprehensive approach to SAT standardized test preparation that is remarkable for its scope and length. The goal is not only to prepare students for the SAT, but perhaps more importantly, to impart enhanced critical thinking, academic skills, test-taking strategies and motivation that serve as a catalyst for improved academic performance. Please bring a **peanut free** snack and a drink.

Instructor: A Step Beyond The Classroom Staff
CRN 31297 YX212-01 5 sessions
Mon-Fri Aug 12-16 9:00am-4:00pm
Course Fee: \$288

Reading and Writing Boot Camp

Ages 10-12

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! Please bring a peanut free snack and a drink. Instructor: Elite Aspirations Staff

CRN 31298 YE293-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm
Course Fee: \$180

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Math Boot Camp

Ages 10-12

Don't suffer from summer brain drain! Join the Elite Aspirations Math Boot class to review important math skills and become more confident in your math abilities! This course incorporates learning with fun problem solving activities. Please bring a **peanut free** snack and a drink.

Instructor: Elite Aspirations Staff

CRN 31300 YE294-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm
Course Fee: \$180

Reading Success for Primary Learners

Ages 6-8

This course focuses on mastery of phonics skills, comprehension, and reading fluency. This course is designed for students with reading difficulties. Please bring a **peanut free** snack and a drink.

Instructor: Elite Aspirations Staff

CRN 31299 YE252-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm
Course Fee: \$180

Elite Writers Club

Ages 8-10

Where do authors get their ideas? How does a science fiction story differ from historical fiction? What elements do all stories need? Come have fun and gain writing experience creating new characters and stories of your own. The class culminates with a reading of original stories at our "Elite Young Authors Roundtable." Please bring a **peanut free** snack and a drink.

Instructor: Elite Aspirations Staff

CRN 31301 YE270-01 5 sessions
Mon-Fri July 15-19 9:00am-12:00pm
Course Fee: \$180

The Art of Debate

Ages 8-10

This course is designed to increase student confidence by teaching debating strategies. Students participate in fun mock trials and discuss the fundamentals of persuasive writing. Please bring a **peanut free** snack and a drink.

Instructor: Elite Aspirations Staff

CRN 31302 YE251-01 5 sessions
Mon-Fri July 15-19 1:00-4:00pm
Course Fee: \$180

The Money Camp

Ages 13-17

Teach students about money and wealth building concepts, good and bad credit, wants versus needs, to help them begin thinking like entrepreneurs and introduce a simple money management system. Please bring a **peanut free** lunch, snack and a drink.

Instructor: Kenneth J. Carter

CRN 31303 YE125-01 3 sessions
Tue-Thu July 9-11 9:00am-4:00pm
CRN 31304 YE125-02 3 sessions
Tue-Thu Aug 6-8 9:00am-4:00pm
Course Fee: \$269



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Introduction to Entrepreneurship

Ages 13-17

The importance of entrepreneurship education and practice cannot be ignored as a vehicle to prepare future business and industry leaders for the opportunities in the 21st century. This course teaches students how to begin thinking more independently about starting and owning the business they work for, rather than being at the mercy of an employer, who will never pay them what their worth! Find a need and fill it.... be an entrepreneur. Please bring a **peanut free** lunch, snack and a drink.

Instructor: Ken Carter

CRN 31305 YE230-01 3 sessions
Tue-Thu July 30-Aug 1 9:00am-4:00pm
Course Fee: \$269

Learn to Sew

Ages 8-12

In this class students learn how to sew using a commercial sewing pattern. Students begin by sewing a pair of pull on pajama shorts, followed by a flirty summer skirt and complete this fun filled class by sewing a tote bag! All materials are included in the fee. Students use full size sewing machines. Please bring a **peanut free** snack and a drink.

Instructor: So You Sewing & Design Studio Staff

CRN 31306 YE219-01 5 sessions
Mon-Fri July 15-19 1:00-4:00pm
Course Fee: \$190

New! Sewing Immersion

Ages - 10-14

In this class, students have full days of sewing fun. Students learn and improve basic sewing techniques as well as develop more intermediate skills, such as sewing in a zipper, sewing pockets and gathering. This is the perfect class for anyone who is ready to take on greater sewing ability! Students work with commercial sewing patterns and use a real sewing machine. All materials are included in the cost of the class. Sewing machines are provided for use. Please bring a peanut free snack and a drink

Instructor: So You Sewing & Design Studio Staff

CRN 312307 YE315-01 5 sessions
Mon-Fri July 22-26 9:00am-4:00pm
Course Fee: \$375

Design Diva

Ages 11-15

Students learn foundational design principals, color theory, fabric science, fashion illustration, simple patternmaking and of course garment sewing! All students design, create and sew their own designs! And on Friday afternoon we have a runway fashion show, where our students become models and walk the runway with their new creations! No experience necessary. This is an amazing week! You see a new fashion designer emerge from someone who began the week with limited sewing or design knowledge! Don't miss this week! Please bring a **peanut free** lunch, snack and a drink.

Instructor: So You Sewing & Design Studio Staff

CRN31308 YE231-01 5 sessions
Mon-Fri Aug 5-9 9:00am-4:00pm
Course Fee: \$375

Fashion Sewing

Ages 8-12

This is the perfect class for anyone who loves clothes or wants to be a fashion designer. Students learn how to work with a commercial sewing pattern and create a fabulous fun wardrobe for end of summer fun. Students sew summer tops, shorts, bags and cute summer dresses and skirts. Projects are geared toward success and fashion

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wear. Students complete the class with a working knowledge of patterns and using a sewing machine. This is a great class to further develop your skills and learn new ones. All materials are included and sewing machines are provided for use. Please bring a **peanut free** snack and a drink.

Instructor: So You Sewing & Design Studio Staff
CRN 31309 YE276-01 5 sessions
Mon-Fri Aug 12-16 9:00am-12:00pm
Course Fee: \$190

Jewelry Design

Ages 8-12

In this class, students learn how to create unique one of a kind jewelry pieces using, pliers, crimpers, wire, and novelty findings. They make bracelets, earrings and necklaces for themselves friends and family. No stringing allowed! Students learn basic principles of design and how to balance appropriate beads for unique beautiful pieces of jewelry. All materials are supplied. Please bring a **peanut free** snack and a drink.

Instructor: So You Sewing & Design Studio Staff
CRN 31310 YE272-01 5 sessions
Mon-Fri Aug 12-16 1:00-4:00pm
Course Fee: \$190

Time Management and Organizational Skills

Ages 10-16

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: Sara Doctofsky
CRN 31311 YE288-01 5 sessions
Mon-Fri Aug 5-9 1:00-4:00pm
Course Fee: \$180

New! Cook and Connect

Ages 6-10

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: Sara Doctofsky
CRN 31312 YE313-01 5 sessions
Mon-Fri Aug 12-16 1:00-4:00pm
Course Fee: \$180

Speak Out! Public Speaking for Kids

Ages 9-12

Learn simple ways to become a better speaker. **Speak Out! Public Speaking for Kids** introduces students to easy techniques for dealing with anxiety, organizing thoughts and listening. This workshop is highly interactive. Each student participates in various impromptu and group storytelling exercises, studying the art of persuasion, delivery methods and effective writing. The week culminates in a prepared 3-5 minute speech. New and repeat students are welcomed. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty
CRN 31313 YE012-01 5 sessions
Mon-Fri June 24-28 9:00am-12:00pm

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CRN 31314 YE012-02 5 sessions
Mon-Fri Aug 5-9 1:00-4:00pm
Course Fee: \$180

Creative Writing Workshop

Ages 9-12

Stretch your writing muscles using fun exercises crafting short stories, poetry, memoir, scripts, and non-fiction. This is a great way to keep your writing skills sharp and to develop new ones for the coming school year. Please bring pens/pencils and a paper notebook. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty

CRN 31315 YE296-01 5 sessions
Mon-Fri June 24-28 1:00-4:00pm

CRN 31316 YE296-02 5 sessions
Mon-Fri Aug 5-9 9:00am-12:00pm
Course Fee: \$180

Creative Writing Boot Camp

Ages 13-16

Stretch your writing muscles using fun exercises crafting short stories, poetry, memoir, scripts, and non-fiction. This is a great way to keep your writing skills sharp and to develop new ones for the coming school year. Please bring pens/pencils and a paper notebook. Please bring a **peanut free** lunch, snack and a drink.

Instructor: Michael Griffith, RVCC Faculty

CRN 31317 YE297-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm
Course Fee: \$180

How Science Fiction, Fantasy, and Horror Work

Ages 13-16

Looking at stories, TV shows, and movies from these popular genres, we explore what it takes to lure in and then keep fans coming back for more. Students create their own stories for presentation in class. Students should bring a Wi-Fi-enabled device, pens/pencils and paper. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty

CRN 31318 YE306-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm
Course Fee: \$180

Communication Skills and Confidence Building

Ages 13-16

Ways to overcome shyness and to speak confidently one-on-one, in small groups, giving speeches and in job interviews are developed in this class. Fun exercises help students prepare for the job market and school presentations. Bring pens/pencils. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty

CRN 31319 YE301-01 5 sessions
Mon-Fri July 15-19 9:00am-12:00pm
Course Fee: \$180

Exploring Journalism

Ages 13-16

News comes in many forms, from TV broadcasts, magazines, newspapers, and blogging/vlogging. We'll look at all these ways of telling the news and work on our own news stories while examining careers in journalism. Please bring pens/pencils and a traditional notebook and/or an electronic tablet device with Wi-Fi capability. Please bring a **peanut free** snack and a drink.

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Summer 2019

Instructor: Michael Griffith, RVCC Faculty
CRN 31320 YE300-01 5 sessions
Mon-Fri July 15-19 1:00am-4:00pm
Course Fee: \$180

Intro. to Mass Media

Ages 13-16

The history of mass media, how they have formed our culture, and careers in mass media are explored. In-class group work on developing the next hit TV show or movie culminate in fun presentations. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty
CRN 31321 YE302-01 5 sessions
Mon-Fri July 22-26 9:00am-12:00pm
Course Fee: \$180

Film Appreciation

Ages 13-16

We'll examine how movies are made and how they tell their stories so well. Careers in film-making are addressed. In-class viewing and discussion of popular films are the cornerstone of each class session. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty
CRN 31322 YE303-01 5 sessions
Mon-Fri July 22-26 1:00-4:00pm
Course Fee: \$180

New! Delivering the Informative Presentation

Ages 13-16

School presentations can be one of a student's biggest challenges. This class explores strategies to research, outline, and deliver affective informative presentations that teach an audience new things. The last class session features student presentations. Bring pens/pencils. Please bring a **peanut free** snack and a drink.

Instructor: Michael Griffith, RVCC Faculty
CRN 31323 YE316-01 5 sessions
Mon-Fri Aug 12-16 9:00am-12:00pm
Course Fee: \$180

FINE & PERFORMING ARTS

Acting for the Camera

Ages 8-15

This class is for the aspiring young 'stars' in your household. It is here they learn real auditioning skills by working with scripts for commercials and film readings. Your child learn how to characterize and follow direction, block for camera and read with their 'co-stars'. Improvisation and ad-libbing (off the script) are taught as a basis of personalizing characters and trusting instincts. One of the quickest ways to gain experience in this industry is by doing 'extra' work otherwise known as a "Background Artists." Included in this class is a list of legitimate talent agencies and terminology of the business. This class is designed by casting director, Kathy Wickline, CSA (www.wicklinecasting.com) who holds over 10,000 casting credits in film, commercials and TV. All original footage will be sent to a professional editor for creation of a USB. Parents have the option to order for purchase a professionally edited USB as a keepsake. USB Rate \$37.99 includes shipping and handling. Please bring a **peanut free** lunch, snack, and drink.

Instructor: Wickline Casting Staff
CRN 31324 YA152-01 5 sessions
Mon-Fri July 8-12 9:00am-4:00pm

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CRN 31325 YA152-02 5 sessions
Mon-Fri July 29-Aug 2 9:00am-4:00pm
Course Fee: \$325

Intro. Film & TV

Ages 11-16

This is Wickline Casting's original class that started 16 years ago. Each day is designed so children work as cast and crew teams. Students learn basic levels of acting, directing and operating the camera. Script writing, storyboarding and improvisation will also be introduced. Kids work on lots of cool projects like commercials, film scenes, music videos and public service announcements. Each day is different as students create their very own original projects as they learn the basics of the biz. All original footage is sent to a professional editor for creation of a USB. Parents have the option to order for purchase a professionally edited USB as a keepsake. USB Rate \$37.99 includes shipping and handling. Please bring a **peanut free** lunch, snack, and drink.

Instructor: Wickline Casting Staff

CRN 31326 YA161-01 5 sessions
Mon-Fri June 24-28 9:00am-4:00pm

CRN 31327 YA161-02 5 sessions
Mon-Fri July 15-19 9:00am-4:00pm
Course Fee: \$325

Intro. to TV Hosting and Anchoring

Ages 11-16

This special program is designed to introduce young professionals to the world of TV Hosting and Anchoring. Students have the chance to focus on their area of interest in the news and entertainment world. They research stories, write up their reports and deliver on-camera performances on exciting projects. Special projects include Talk Shows, Sports Announcing, Weather, Consumer Reports, Medical Reports, Field and Traffic Reporting and TV Hosting in Music, Entertainment, Cooking, Decorating and Home Shopping formats. This class is designed by casting director, Kathy Wickline, CSA (www.wicklinecasting.com) who holds over 10,000 casting credits in film, commercials and TV. All original footage will be sent to a professional editor for creation of a USB. Parents have the option to order for purchase a professionally edited USB as a keepsake. USB Rate \$37.99 includes shipping and handling. Please bring a **peanut free** lunch, snack, and drink.

Instructor: Wickline Casting Staff

CRN 31328 YA764-01 5 sessions
Mon-Fri Aug 12-16 9:00am-4:00pm
Course Fee: \$325

Hip-Hop & Rap

Ages 12-15

This class introduces students to the art of Hip-Hop. Students learn a brief history of Rap music and create their very own beats using the latest music software. Students are taught rhyming concepts and the importance of writing a good hook. They use these concepts, along with their own life experience, to write lyrics. Students then record this rap over their new beat to create their very own Hip-Hop song. On the final day students receive a CD of their new song to enjoy for years to come. Please bring a **peanut free** lunch, snack and a drink.

Instructor: East Coast Recording Company Staff

CRN 31331 YA758-01 5 sessions
Mon-Fri July 15-19 9:00am-4:00pm
Course Fee: \$325



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Singer Songwriting

Ages 13-17

During this class, students are introduced into the world of songwriting. Students explore the concepts of tempo, feel, and style as a foundation for creating their next hit song. Students experience writing a catchy chorus, developing and writing a verse, and introducing and placing a bridge. Students create an intro, learn about building intensity, and completing a song. Students experience songwriting that will last a lifetime. Please bring a **peanut free** lunch, snack and a drink.

Instructor: East Coast Recording Company Staff
CRN 31332 YA759-01 5 sessions
Mon-Fri July 22-26 9:00am-4:00pm
Course Fee: \$325

Music and Voice Production

Ages 12-17

Does your child dream of what it's like to be behind the microphone, performing like their favorite singer? Well, here's their chance! This one-of-a-kind class designed by a GRAMMY award winning music producer and two-time Parent's Choice Gold winner offers students an actual recording studio experience by introducing them to the amazing world of the music industry. Students have a blast developing their skills in Songwriting, Music Recording, Voice-overs and Audio Equipment Operation. Students can work interchangeably as talent and/or crew, behind the scenes or behind the microphone. They'll learn vocal warm up routines, perform voice-overs and TV/radio announcements, have a blast singing karaoke to their favorite songs, and the best part is they have the unique opportunity to create their very own song from start to finish and record it live! It isn't often that a child can say they had a hand in fully producing a song from beginning to end and have a copy of that song to share with friends and family for years to come. Students receive one professionally edited audio CD that contains all of their camp recordings for the week. This CD is included in the class fee. Please bring a **peanut free** lunch, snack and a drink.

Instructor: East Coast Recording Company Staff
CRN 31333 YA728-01 5 sessions
Mon-Fri July 29-Aug 2 9:00am-4:00pm
Course Fee: \$325

POP Star Singing

Ages 6-10

If your child enjoys singing and performing, then this is the class for your up-and-coming superstar! Not only does your child have a blast singing and performing their favorite karaoke songs, but we also provide silly dress ups and props so your child can perform and look like their favorite pop star. On the final day of class, all performances are video-recorded and made available online for you to view and enjoy. While having fun, students also learn basic vocal warm-ups and performance tips that help build their confidence. Students also play singing games similar to lip-sync competition and Name That Tune. This is a super-fun class! Some dress ups and props are provided, however, students are welcome to bring their own favorite costumes as well! Please bring a **peanut free** snack and a drink.

Instructor: East Coast Recording Company Staff
CRN 31334 YA753-01 5 sessions
Mon-Fri July 22-26 9:00am-12:00pm
Course Fee: \$190

Build Your Own Customized Electric Guitar

Ages 13-17

With this class, students design, paint, and construct a real electric guitar, while learning all about the instrument. Students are taught how to identify the parts of an electric guitar, replace and tune the strings, and to set up and adjust the guitar neck. Sessions also cover proper intonation, guitar care and maintenance. Students go home with



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a fully functional electric guitar and knowledge that last a lifetime. Please bring a **peanut free** lunch, snack and a drink.

Instructor: East Coast Recording Company Staff
CRN 31335 YA760-01 5 sessions
Mon-Fri Aug 5-9 9:00am-4:00pm
Course Fee: \$500

Creative Art Lab

Ages 13-17

This course is the ultimate class for fostering creativity and giving students the complete freedom to express themselves through their art! We provide students with visual examples, tips, and techniques, yet encourage them to use their own ideas and methods as they experiment with a wide variety of materials, and discover their own artistic style. Whether painting, sculpting, sketching, using papier mache, or creating 3-dimensional recycled art, the creative possibilities are endless! All new projects for returning participants! Please bring a **peanut free** snack and a drink.

Instructor: Smartycat Kids Staff
CRN 31336 YA761-01 5 sessions
Mon-Fri Aug 12-16 1:00-4:00pm
Course Fee: \$205

Edible Art

Ages 6-12

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: Sara Doctofsky
CRN 31337 YA762-01 5 sessions
Mon-Fri Aug 12-16 9:00am-12:00pm
Course Fee: \$180

Art Techniques

Ages 9-12

In this class students are taught techniques for different mediums each day. Monday students learn how to work with pencil and charcoal, Tuesday pastels, Wednesday watercolor, Thursday acrylics and Friday oils. Each day students work on a different project. All materials are included. Please bring a **peanut free** snack and a drink.

Instructor: So You Sewing & Design Studio Staff
CRN 31338 YA763-01 5 sessions
Mon-Fri July 15-19 9:00am-12:00pm
Course Fee: \$190

New! Once Upon A Time

Ages 6-11

Students explore their favorite characters from storybooks around the world using the art of masks and movement. Students craft their own masks and combine them with movement to develop characters from their imagination. They learn and develop key acting skills. A short scene is performed at the end of the week. Acting, public speaking skills and confidence are developed. A magical time will be had by all!

Instructor: Drama Kids Staff
CRN 31339 YA767-01 5 sessions
Mon-Fri June 24-28 1:00-4:00pm

CRN 31340 Y767A-02 5 sessions
Mon-Fri July 29-Aug 2 1:00-4:00pm
Course Fee: \$180

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New! Mystery Playhouse

Ages 8-12

It's no mystery kids love this class! Students this week write, solve, and act up in great plays – created, directed, and performed entirely by THEM! Intrigue and investigation are necessities for any mystery. Who? What? Where? When? Why? Students hone their observation and detection skills that result in odd combinations they develop into a mystery scene and perform for their fellow students, stumping them ~leaving them clueless! Students bring the house down during their end of class DKI Playhouse Presentation, performing a play their team creates. Want to know how the show ends? SO DO WE, but it's a mystery....

Instructor: Drama Kids Staff

CRN 31341 YA768-01 5 sessions
Mon-Fri July 22-26 9:00am-4:00pm
Course Fee: \$325

New! Elementary Drawing

Ages 6-12

This class provides the tools all children need to succeed at drawing. This class works because it's not only hands-on and visual...it's simply fun. Come try our innovative, guided instruction-based approach to learning to draw! Finding new solutions to problems and communicating ideas and concepts through pictures is taught.

Instructor: Young Rembrandts Staff

CRN 31392 YA769-01 5 sessions
Mon-Fri July 22-26 1:00-4:00pm

CRN 31393 YA769-02 5 sessions
Mon-Fri July 29-Aug 2 9:00am-12:00pm

CRN 31394 YA769-03 5 sessions
Mon-Fri August 12-16 1:00-4:00pm
Course Fee: \$190

New! Cartoon Drawing

Ages 6-12

This class is surely the most fun you can have while learning! Cartooning combines Young Rembrandts' innovative, hands-on teaching method for learning-to-draw with light-hearted subject matter that engages children, their sense of humor and their vivid imaginations. Drawings go at a faster pace than elementary, tell a story or jokes.

Instructor: Young Rembrandts Staff

CRN 31395 YA770-01 5 sessions
Mon-Fri July 15-19 1:00-4:00pm

CRN 31396 YA770-02 5 sessions
Mon-Fri July 29-Aug 2 1:00-4:00pm
Course Fee: \$190

SCIENCES

Harry Potter

Ages 6-11

Join in the escapades of Harry and his friends. Play quidditch, write with invisible ink and make an edible wand. Brew some fantastic potions to drink. Wonder where the sorting hat will place you? Make cool crystals. Come experience the magic of science, art and literature. Experiment with colored magic sand. See a mysterious glowing ball! Please bring a **peanut free** snack and a drink.

Instructor: Sciensational Workshop for Kids, Inc. Staff

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CRN 31342 YS706-01 5 sessions
Mon-Fri July 15-19 9:00am-12:00pm
Course Fee: \$202

New! Brick Building With Lights and Sound

Ages 7-12

How about becoming an architect and electronics scientist. Combine everything into one. Make endless combinations of brick construction and electronics. Invent anything and make it work all by doing it the Sciensational Way!! How about building your own light post with color effects. Build and design your own brick tower, light it up, play music, and turn on your LED'S. Build your own brick bridge with melody and sound. Construct a brick mammal, a three level house, and light house. Put in overhead lights. Now it is your time to design, think, and use your inventor's skills. The sky is the limit! All of this you take home. STEAM your way to the future! Please bring a **peanut free snack** and a drink.

Instructor: Sciensational Workshop for Kids, Inc. Staff

CRN 31343 YS911-01 5 sessions
Mon-Fri July 29-Aug 2 9:00am-12:00pm
Course Fee: \$202

The Amazing 4 in 1 Robot

Ages 7-12

Build an interchangeable robot with four unique modes. Create the Beast, Trailer, Cricket and Grandpa-Bot! Gain confidence, self-esteem, and celebrate as you are the architect that built them. Plus have fun building robotic designs in groups. Sumo wrestling matches, races and more. These robots are not taken home. Have fun, learn, and experience Robotics! Please bring a **peanut free snack** and a drink.

Instructor: Sciensational Workshop for Kids, Inc. Staff

CRN 31344 YS841-01 5 sessions
Mon-Fri Aug 5-9 9:00am-12:00pm
Course Fee: \$202

Make & Take

Ages 6-12

Discover the excitement of science and make a variety of toys designed to illustrate science concepts that make learning fun. Most of the projects can be taken home as they are made throughout the week. 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. Projects will vary by age level and instructions will be taught in more depth for older students. Please bring a **peanut free snack** and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31345 YS632-01 5 sessions
Mon-Fri June 24-28 9:00am-12:00pm
Course Fee: \$190

Junior Physicians

Ages 6-12

Discover the anatomy of the world's most complicated system – the human body! In this program, kids will find out what it's like to journey through the human body. Explore the science behind blood, bones, how a model of the human body works, and more. Participants will test for blood types, make a map of their tongue, and perform simulated heart and brain surgery, and more. Please bring a **peanut free snack** and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31346 YS844-01 5 sessions



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Mon-Fri June 24-28 9:00am-12:00pm
Course Fee: \$190

Battle-Bot Robotic Fun

Ages 6-12

Have fun building and creating using your imagination. Campers will construct a wide range of robot projects throughout the week. Projects will include constructing a Battle-Bot from our huge Robotix modular collection, participating in our robot tug-o' war, Olympic competition, soccer match, and more. Campers will learn engineering principles in a fun, hands-on atmosphere. This camp focuses on building modular robots from your imagination. Coding is not a focus in this class. All students will take home a Hexbug robot as part of this camp. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31347 YS678-01 5 sessions
Mon-Fri June 24-28 1:00-4:00pm
Course Fee: \$190

Lego WeDo Robotics

Ages 6-10

Students will build Lego ® models featuring working motors and sensors, program their models on laptop computers, and participate in new unique WeDo challenges. Students will develop their skills in Science, Technology, Engineering, and Mathematics. Students will use simple drag and drop software and a lap top computer to actually learn how to program robots made from Legos ®. This program makes elementary science come to life through hands-on tasks, real-world projects, and relevant technology that engages students. Through project-based activities, students' skills are enhanced across science, engineering, technology, and coding. The unique combination of the LEGO brick, classroom-friendly software, and inspiring, standards-based science projects results in a resource that builds students' confidence. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31348 YS872-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm
Course Fee: \$190

Diggin' For Dinos, Rocking Rocks & Crystal Creations

Ages 6-10

Young scientists will discover the exciting science of archaeology and paleontology as they excavate and assemble complete skeletal replicas from simulated "fossilized" rock. Dig for T-Rex, Triceratops, Stegosaurus, Velociraptors, Brachiosaurus, and more! Make fossilized plaster replicas of dinosaur teeth, claws, trilobites, and ancient sea creatures. Sort, classify, and take home a variety of fossilized shark teeth. Unearth some fascinating facts about rocks, minerals, and crystals. Break open geodes and discover crystals inside. Take home a unique mini-collection of rocks and minerals that you will learn about in the program, a rock and mineral book, unearthed treasures, fossilized shark teeth, and more. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31349 YS624-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm
Course Fee: \$190

Amusement Park Physics

Ages 7-12

Have you ever wondered how they design and build those crazy rollercoasters and other amusement park rides? Join us and learn about friction, gravity, momentum, velocity, and other effects of force and motion as they relate to theme park rides. We'll design, construct, and test loop-the-loops, marble catchers, ball machines, Ferris wheels, swinging amusement rides, and more. This is the way to experiment and build as you learn physics concepts in a fun and activity-based atmosphere! Please bring a **peanut free** snack and a drink.

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Instructor: Super Science Programs for Kids Staff
CRN 31350 YS642-01 5 sessions
Mon-Fri July 15-19 9:00am-12:00pm
Course Fee: \$190

Architect & Engineering Challenges

Ages 7-12

Architecture and engineering are the focus of this program. You will work to design and build towers, balsa bridges and a wide array of Lego and K'NEX™ architecture projects. Have fun building famous architectural designs from around the world including Adam Tucker Reed's famous brick structures including the Empire State Building, Imperial Hotel, Whitehouse, Imperial Hotel, Flat Iron Building, Seattle Space Needle, and more. You will also build bridges, towers, and other structures using a variety of materials and learn about structural engineering principles and forces that act on structures. Develop science, technology, engineering and mathematics skills in a fun, hands-on environment. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff
CRN 31351 YS735-01 5 sessions
Mon-Fri July 15-19 1:00-4:00pm
Course Fee: \$190

Intro. to LEGO EV3 Robotics

Ages 8-12

Have fun building, designing, and programming robots with Lego Mindstorms. Build robot projects and creations that use working sensors and motors. LEGO MINDSTORMS combines the unlimited versatility of the LEGO building system with an intelligent microcomputer brick and intuitive drag-and-drop programming software. No prior robotic or programming experience is necessary for this introductory course. All students will take home a Hexbug robot as part of this program. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff
CRN 31352 YS843-01 5 sessions
Mon-Fri July 22-26 9:00am-12:00pm
Course Fee: \$190

New! Drones & Flying Physics

Ages 8-12

Take to the skies with mini drones, quadcopters, and more! Housing a thrilling, hands-on aerial robotics platform, this camp is the perfect introduction to the world of unmanned aerial vehicles (UAVs). In this class, safety is a priority as students learn to fly in first-person view (FPV), exploring the real-world applications of drones. *In Drones and Flying Physics Camp* students go through Droneology, the online drone education platform, master basic piloting skills, construct an obstacle course to fly through and stage a final race to showcase their cumulative knowledge. Putting critical thinking to the test, the camp also has students brainstorm ways drones could be used for good, sketching out their ideas for new and innovative drones and drone uses. All students will take home their own mini-drone and other flying gadgets made in class.

Instructor: Super Science Programs for Kids Staff
CRN 31353 YS912-01 5 sessions
Mon-Fri July 22-26 1:00-4:00pm
Course Fee: \$190

STEM Challenges

Ages 7-12

In this engineering camp, you will have fun integrating Science, Technology, Engineering, and, Mathematics by building and designing a wide range of gadgets, inventive machines, towers, crazy contraptions, and more. Projects include: The Great Tower Challenge, the Standing Cup Pyramid Challenge, Egg Drop Challenge,



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Wooden Coaster Challenge, Structural Engineering Challenge, Magnificent Marble Machine, and a host of other fun contests designed to bring out the engineer in you! Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31354 YS873-01 5 sessions

Mon-Fri July 29-Aug 2 1:00-4:00pm

Course Fee: \$190

Lego Star Wars

Ages 6-12

LEGO enthusiasts, have fun building your favorite adventure from a Star Wars galaxy that is far, far away. Star Wars projects will vary depending on availability from LEGO headquarters, but will include age-appropriate new models and the best of some of the older models. Campers will also build a wide assortment of non-Star Wars motorized LEGO Education technic machines and create their own projects that illustrate science concepts. Examples include cranes, remote controlled cars, a player piano, and many more. This is a stimulating enrichment program and not geared as a teacher-driven education class. All campers will take home a LEGO Star Wars project. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31355 YS679-01 5 sessions

Mon-Fri Aug 5-9 9:00am-12:00pm

Course: Fee \$190

CSI Science

Ages 6-12

Become a Super Science Sleuth! Learn about forensics, crime scene investigations, and crime lab chemistry as you perform experiments designed to show you just how those tricky cases are solved. Search for evidence, gather clues, and discover how science can help solve a mystery! Dust for and classify fingerprints, analyze hand writing, test for blood type and DNA using simulated blood, and use "Glow Blood" to see where humans can't see. Examine hair and clothing fibers, practice chemistry to identify mystery substances, and much more. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31356 YS629-01 5 sessions

Mon-Fri Aug 5-9 1:00-4:00pm

Course Fee: \$190

Chemical Wizardry

Ages 6-12

Become a Super Science Sleuth! Learn about forensics, crime scene investigations, and crime lab chemistry as you perform experiments designed to show you just how those tricky cases are solved. Search for evidence, gather clues, and discover how science can help solve a mystery! Dust for and classify fingerprints, analyze hand writing, test for blood type and DNA using simulated blood, and use "Glow Blood" to see where humans can't see. Examine hair and clothing fibers, practice chemistry to identify mystery substances, and much more. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31357 YS623-01 5 sessions

Mon-Fri Aug 12-16 9:00am-12:00pm

Course Fee: \$190

Motorized Lego Maker Machines

Ages 6-12

LEGO enthusiasts, have fun building your favorite adventure from a Star Wars galaxy that is far, far away. Star Wars projects will vary depending on availability from LEGO headquarters, but will include age-appropriate new models and the best of some of the older models. Campers will also build a wide assortment of non-Star Wars motorized LEGO Education technic machines and create their own projects that illustrate science concepts.

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



KIDS & TEENS PROGRAMS

Summer 2019

Examples include cranes, remote controlled cars, a player piano, and many more. This is a stimulating enrichment program and not geared as a teacher-driven education class. All campers will take home a LEGO Star Wars project. Please bring a **peanut free** snack and a drink.

Instructor: Super Science Programs for Kids Staff

CRN 31358 YS907-01 5 sessions
Mon-Fri Aug 12-16 1:00-4:00pm
Course Fee: \$190

Space: Infiniti & Beyond

Ages 7-12

Students explore the mysteries of the solar system and the science behind air & space travel. Children discover not only how astronauts get into space, but also how they live and work once they get there. In this advance space program, we will investigate unique **flying machines, including building balloon-copters, boomerangs and a mini hovercraft as take home projects for the children.** Most importantly, they learn first-hand about the aerodynamic properties of flying machines by **building their own Estes® model rockets as well as an intermediate level Estes™ Skywinder rocket!** Once the rockets are completed, children will blast off on a real Mad Science space mission **Live Rocket Launches! This Class is Out of this World!** Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31359 YS718-01 5 sessions
Mon-Fri June 24-28 9:00am-12:00pm
Course Fee: \$205

Secret Agent Lab: Spies Like Us

Ages 7-12

Step into the shoes of a detective—uncover the science involved in evidence gathering and analysis. Become a super sleuth and learn clever ways of performing tasks in this hands-on view of the science that spies use. From decoding messages to metal detectors and night vision, students will have the opportunity to check out spy equipment, and discover the technological tools of detection! **Mad Science Spy Camp is 00-Awesome!** Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31360 YS717-01 5 sessions
Mon-Fri July 8-12 9:00am-12:00pm
Course Fee: \$205

New! NASA – Journey to Outer Space

Ages 7-12

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! Kids will get a firsthand experience of the challenges of living in space as they try assemble a satellite while training to be an astronaut. Kids will love to build their own Mad Science rocket, and participate in a real "NASA" style rocket launch. Students will have lots of projects to make and many cool NASA take homes, including a gravity assisted launcher, a Shuttle Copter, and more! Mad Science is the **ONLY** organization licensed by NASA to use these activities for Summer Classes. **This Class is Out of this World!** Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31361 YS913-01 5 sessions
Mon-Fri July 15-19 1:00-4:00pm
Course Fee: \$205



KIDS & TEENS PROGRAMS

Summer 2019

Brixology

Ages 7-12

This Brixology Class sets the foundation for our next generation of makers! Children learn about different types of engineering and then team up to construct a different engineering-themed project **using MAD SCIENCE EXCLUSIVE LEGO® bricks!** They learn about aerospace engineering while assembling a space station. They explore mechanical engineering as they build boats and vehicles. That's not all – from carnival rides to drawing machines, mechanical animals to truss bridges, your future engineer will build upon their creativity to solve real-world design challenges, while developing their problem-solving and team-building skills. **Let the tinkering and building begin!** Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31362 YS878-01 5 sessions
Mon-Fri July 22-26 9:00am-12:00pm
Course Fee: \$205

Red Hot Robots

Ages 7-12

Spend this summer playing with our super cool *Red-Hot Robots!* Discover the world of robots as we investigate the differences between humans and their robotic counterparts - Students will learn how robots use infrared and sensors to discover their environment. Invent your own robot designs using recycled materials. Finally - We use hands-on skills to a Robot that you Take Home to “LIVE” with You! Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31363 YS716-01 5 sessions
Mon-Fri July 22-26 1:00-4:00pm
Course Fee: \$215

Eureka! Flight to the Future

Ages 7-12

Calling all innovators! Bring your imagination and let it SOAR as you create a squadron of paper airplanes the Wright brothers would be proud of! Explore technological advances in flight: hot air balloons, flying machines, and spacecraft. Launch a variety of stomp rockets, and even take one home! Learn about lasers, microgravity, and space stations. Become inspired by Verne and Asimov and build submarines, brainstorm the telecommunications and transportation of the future. This class culminates with students building their own sci-fi inspired light sabers that they can take home, along with their dreams of the future! Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31364 YS903-01 5 sessions
Mon-Fri July 29-Aug 2 9:00am-12:00pm
Course Fee: \$205

Radical Reactions & Detective Science

Ages 7-12

Students will have tons of fun mixing up potions and experimenting with all kinds of chemical reactions! Our young chemists will **Grow Crystals, Create Sidewalk Chalk, and make chromatography T-Shirts** to take home. Students will also become science sleuths as they investigate how chemistry provides evidence at the scene of a crime. During hands-on detective work, children will gather & test “crime scene” clues, make & analyze their own fingerprints, so much more! **Become a Junior Chemist in Class!** Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31365 YS637-01 5 sessions
Mon-Fri July 29-Aug 2 1:00-4:00pm
Course Fee: \$205



KIDS & TEENS PROGRAMS Summer 2019

CRAYOLA: World of Design

Ages 7-12

World of Design is a class that takes kids on a journey to the edges of their imagination – and beyond! They learn about Mars, the rainforest, and cities of the future, and get engaged in the creative design process to solve real-world problems. Each day focuses on a specific field of design, and our young architects, illustrators and graphic designers develop their ideas from concept, to sketch, to finished product. They bring their concepts to life by experimenting with Crayola® products, and exploring art techniques like sculpting, storyboarding, mixed media, and collage. Combining art, design, fun active games and inspiring themes from around the world, this class is designed to inspire! Please bring a **peanut free** snack and a drink.

Instructor: Mad Science Staff

CRN 31366 YS904-01 5 sessions
Mon-Fri Aug 5-9 1:00-4:00pm
Course Fee: \$205

Junior Scientists Lab

Entering Grades K-5

Our Junior Scientists program is all about making learning science fun! Using fully hands-on activities, we'll create fun and safe chemical reactions, launch projectiles, explore aeronautics, design structures, tinker with technology, and more! All new activities and experiments for returning students. Please bring a **peanut free** snack and a drink.

Instructor: Smartycat Kids Staff

CRN 31367 YS764-01 5 sessions
Mon-Fri July 8-12 1:00-4:00pm
Course Fee: \$205

Slime Lab and Cool Chemistry

Entering Grades K-5

Would your child love to create all different types of ooey-goopy slime? Would they enjoy mixing together substances to watch how they change and react? Then this is the program for them! Throughout the week, students learn how to create many different types of slime in order to explore different areas of science - from learning about polymers to observing physical vs. chemical changes, to exploring biology and natural places we can find slimy substances. Students also conduct various other safe and fun chemical reactions to make substances bubble, fog, ooze, or erupt. All new activities for returning students. Please bring a **peanut free** snack and a drink.

Instructor: Smartycat Kids Staff

CRN 31368 YS908-01 5 sessions
Mon-Fri July 29-Aug 2 1:00-4:00pm
Course Fee: \$205

Technology and Engineering Workshop

Entering Grades K-5

Join us for a week filled with exciting technology and engineering challenges, as we do everything from build structures and machines using recycled materials to programming robots and learning about green energy. Children work in groups for team challenges, and also get to complete individual projects to learn more about how and why the things around us work. Some individual projects will be brought home, but group projects and technology equipment are not brought home. Please bring a **peanut free** snack and a drink.

Instructor: Smartycat Kids Staff

CRN 31369 YS763-01 5 sessions
Mon-Fri Aug 5-9 1:00-4:00pm
Course Fee: \$205



KIDS & TEENS PROGRAMS

Summer 2019

Edible Science

Ages 6-12

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! Please bring a **peanut free** snack and a drink.

Instructor: Sara Doctofsky

CRN 31370 YS886-01 5 sessions
Mon-Fri Aug 5-9 9:00am-12:00pm
Course Fee: \$180



KIDS & TEENS PROGRAMS Summer 2019

BEFORE AND AFTER CARE

Raritan Valley Community College is pleased to offer both Before and After Camp Care. If you would like your child to take part in an extended day program that allows you to bring your child as early as 7:30 am and pick your child up at or before 6 pm, please indicate on the Registration Form.

WEEK	CRN	BEFORE COST	CRN	AFTER COST
June 24-28	31371	\$35	31378	\$55
July 8-12	31372	\$35	31379	\$55
July 15-19	31373	\$35	31380	\$55
July 22-26	31374	\$35	31381	\$55
July 29-Aug 2	31375	\$35	31382	\$55
August 5-9	31376	\$35	31383	\$55
August 12-16	31377	\$35	31384	\$55

Before-Care: Participants are supervised on campus from 7:30 – 9:00 am during the weeks and days listed above. RVCC’s experienced staff ensures your child’s safety and prompt check-in at their regularly scheduled programs. You may enroll in any or all of the weeks in which your child is attending a program.

After-Care: At the end of the regular day, children enrolled in this program remain on campus where they participate in a variety of supervised activities until 6:00 pm. You may enroll for any or all of the weeks in which your child is attending a program. Participants are not permitted to remain on campus following the end of their regularly scheduled program day without authorized supervision.

Refunds: No refunds can be provided for cancellation/withdrawal from Before or After Care.

REGISTRATION and PAYMENT must include full payment of tuition and fees along with fully completed Registration Form at the time of registration.



KIDS & TEENS PROGRAMS Summer 2019

LUNCH COVERAGE (Lunch is not included)

Raritan Valley Community College's is pleased to offer Lunch Coverage. Participants are supervised on campus from 12:00-1:00pm during the weeks and days listed below. **You must send your child with a peanut free lunch!** RVCC's experienced staff ensures your child's safety and prompt check-in at their regularly scheduled programs. You may enroll in any or all of the weeks in which your child is attending a program. To take advantage of this service, the child must be enrolled in a morning and afternoon class.

Please note – You DO NOT have to sign up for lunch coverage if you select a FULL DAY CLASS. If you are selecting a Morning and Afternoon class and would like to bridge the two classes, you must register for the appropriate lunch coverage. All lunch coverages are supervised. Lunch coverages do not include the serving of food. They are supervisory only.

WEEK	CRN	COST
June 24-28	31385	\$15
July 8-12	31386	\$15
July 15-19	31387	\$15
July 22-26	31388	\$15
July 29-Aug 2	31389	\$15
August 5-9	31390	\$15
August 12-16	31391	\$15

Refunds: No refunds can be provided for cancellation/withdrawal from Lunch Coverage.

REGISTRATION and PAYMENT must include full payment of tuition and fees along with fully completed Registration Form at the time of registration.



KIDS & TEENS PROGRAMS Summer 2019

REGISTRATION INFORMATION *Register Early! Classes are cancelled for under enrollment several days in advance. We recommend that you register at least ONE week in advance of the course start date. Many of our classes have limited enrollment and fill quickly. Sign up early to insure a place in the course of your choice.*

Registration includes full payment along with fully completed Registration Form.

IN-PERSON

Our office is located on the first floor of Somerset Hall, Room S147. Register Monday through Friday from 8:30 am to 4:00 pm.

ON-LINE REGISTRATION

www.raritanval.edu/youth

MAIL

Complete the registration form and mail it with a check or money order made payable to RVC College to:

RVCC – Kids & Teens Programs
P.O. Box 3300, Somerville, NJ 08876

Youth registrations cannot be done by phone.

View our courses: www.raritanval.edu/youth

Phone: 908-526-1200, Ext. 8404 E-mail: youth@raritanval.edu

COURSE CONFIRMATION & LOCATION

Approximately 5 days before the start of your course, a confirmation notice is emailed containing all necessary information. If you have not received the confirmation regarding your course within 2 business days of the course starting date, please call 908-526-1200, Ext. 8404. There are no refunds because you did not receive confirmation.

CANCELLATION & REFUND POLICY

The Youth Program operates on a self-supporting budget based on tuition income. We are pleased to offer you a refund for your course provided you adhere to the following refund policy and process. We regret that there can be no exceptions to the following cancellation policy due to an individual's personal or professional circumstances. If the College cancels a course prior to the first class, registrants receive the entire tuition and fees refunded. Please allow 4 to 6 weeks for processing and mailing of your refund. No refund can be provided for cancellation/withdrawal by the student without written notification at least ten (10) business days prior to the start date of the course. Registrants canceling their enrollment in writing ten (10) or more business days in writing before the beginning of a course receive a full refund less a non-refundable registration fee of \$15. The written request should include: student ID number, home address, home telephone number, the course name and course number or CRN. Please fax your request to 908-725-2831 or mail it to RVCC, College Advancement, PO Box 3300, Somerville, New Jersey 08876 or email to youth@raritanval.edu. The College reserves the right to limit registrations, combine like courses and to cancel courses if enrollment is insufficient. If the College cancels a course we will contact you by either telephone or email. At that time, you may choose to register for another course or have your refund processed. All refunds are sent by mail to the student.

DISABILITY ACCOMMODATIONS

If your child has a disability and you have questions or want to request accommodations, please contact the Coordinator of Disabilities Services. The College provides services in accordance with federal legislative guidelines and RVCC Policies and Procedures. Reasonable accommodations are approved on a case-by-case basis. We request that documentation of disability and request for accommodations be presented at least three weeks prior to the beginning of classes.

We offer the option of providing some programs off site. In addition to the convenience of offsite programs, this option allows you the freedom to tailor any of our programs to your individual needs.

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

