



**"Connecting Campers with Care"
2020 Summer Online Program Catalogue**

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STEM Camps

Boolean Girls:

Storytelling in Scratch

Ages: 6-8

This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 9:30 - 10:30am / *Office Hours 11-11:30am

Week 5: July 20-24 / Monday – Friday / 9:30 - 10:30am / *Office Hours 11-11:30am

Min: 6 Max: 12

Fee: \$175/week

Children learn basic coding principles by building a story of their own design. Initially they will follow the instructor as she models her story. The child will then be challenged to modify the story applying coding techniques learned. Children are encouraged to work on projects off-line, between classes and Instructors offer optional "office hours" to work with interested students between classes to check in, ask questions and get personal attention outside of regular classes.

Throughout this course students will apply their understanding of algorithms and programming, and illustrate a personal story in a sequential manner. Even Pixar will be impressed with the final creations!

Requirements:

No Special Equipment needed. Use your [Boolean Box](#) computer, preloaded with all the software you need, OR join with a Windows, Mac or Chromebook that has internet access.

Build Games in Scratch

Ages: 9-12

This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 1:30-2:30pm / *Office Hours 3-3:30pm

Week 5: July 20-24 / Monday – Friday / 1:30-2:30pm / *Office Hours 3-3:30pm

Week 8: August 10 - 14 / Monday – Friday / 1:30-2:30pm / *Office Hours 3-3:30pm

Min: 6 Max: 12

Fee: \$175/week

Building off their story animation projects kids will be challenged to create a game of their own. We will look at a variety of existing games for design ideas. Instructors will teach a number of different gaming techniques including score keeping , using timers, making Sprites move.

Children are always encouraged to work on projects offline, between classes. Our instructors will announce optional "office hours" to work with interested students between classes to check in, ask questions and get personal attention outside of regular classes. This is included in the cost of the class.

Requirements:



No Special Equipment needed. Use your [Boolean Box](#) computer, preloaded with all the software you need, OR join with a Windows, Mac or Chromebook that has internet access.

Scratch Skills, My Story Sequel

Ages: 6-8

This camp will take place online.

Week 3: July 6 - 10 / Monday – Friday / 9:30-10:30am / *Office Hours 11-11:30am

Week 6: July 27-31 / Monday – Friday / 9:30-10:30am / *Office Hours 11-11:30am

Week 8: August 10 - 14 / Monday – Friday / 9:30-10:30am / *Office Hours 11-11:30am

Min: 6 Max: 12

Fee: \$175/week

Children will bring their coding to the next level while creating a sequel (or new story) that demonstrates their Scratch Skills. Instructors will model a story that uses prior coding skills and introduces conditionals, complex events (broadcast and receive), and user interaction. Students will be challenged to modify (Remix) the story to apply new skills and then develop a story of their own based on a design they develop. Along the way, students will learn techniques for debugging code, using variables and working with conditional statements.

Children are encouraged to work on projects off-line, between classes and Instructors offer optional "office hours" to work with interested students between classes to check in, ask questions and get personal attention outside of regular classes.

Requirements:

No Special Equipment needed. Use your [Boolean Box](#) computer, preloaded with all the software you need, OR join with a Windows, Mac or Chromebook that has internet access.

Scratch Circuits

Ages: 9-12

This camp will take place online.

Week 3: July 6 - 10 / Monday – Friday / 1:30-2:30pm / *Office Hours 3-3:30pm

Week 6: July 27-31 / Monday – Friday / 1:30-2:30pm / *Office Hours 3-3:30pm

Min: 6 Max: 12

Fee: \$175/week

Interested in controlling lights and using switches to build stuff?

Did you know you can use Scratch to interact with electrical circuits you build?

Your Raspberry Pi has a row of GPIO pins in the long rectangular opening in the case. GPIO stands for General-Purpose Input/Output. You use these pins to connect programs you write to the physical world so you can make lights blink or take input from sensors. We refer to this as physical computing.

Children are always encouraged to work on projects offline, between classes. Our instructors will announce optional "office hours" to work with interested students between classes to check in, ask questions and get personal attention outside of regular classes. This is included in the cost of the class.

Requirements:



This class requires a Boolean Box or a Raspberry Pi.

Get special pricing on your [Boolean Box](#) computer [here](#). Then access the class using a windows, mac, chromebook computer or any tablet that has internet access.

Build Games in Scratch

Ages: 6-8

This camp will take place online.

Week 4: June July 13-17 / Monday – Friday / 9:30-10:30am / *Office Hours 11-11:30am

Week 7: August 3-7 / Monday – Friday / 9:30-10:30am / *Office Hours 11-11:30am

Min: 6 Max: 12

Fee: \$175/week

Building off their story animation projects kids will be challenged to create a game of their own. We will look at a variety of existing games for design ideas. Instructors will teach a number of different gaming techniques including score keeping , using timers, making Sprites move.

Children are always encouraged to work on projects offline, between classes. Our instructors will announce optional "office hours" to work with interested students between classes to check in, ask questions and get personal attention outside of regular classes. This is included in the cost of the class.

Requirements:

No Special Equipment needed. Use your [Boolean Box](#) computer, preloaded with all the software you need, OR join with a Windows, Mac or Chromebook that has internet access.

Getting Started with Python

Ages: 9-12

This camp will take place online.

Week 4: July 13-17 / Monday – Friday 1:30-3:00pm / *Office Hours 3-3:30pm

Week 7: August 3-7 / Monday – Friday 1:30-3:00pm / *Office Hours 3-3:30pm

Min: 6 Max: 12

Fee: \$225/week

Ready to learn one of the most widely used programming languages in the world? Python is easy to learn and is used by many companies according to Wikipedia including Google, Yahoo!, NASA, Facebook, Amazon, and Spotify.

Campers will learn while having fun by completing projects that cover the core coding skills.

Children are always encouraged to work on projects offline, between classes. Our instructors will announce optional "office hours" to work with interested students between classes to check in, ask questions and get personal attention outside of regular classes. This is included in the cost of the class.

Requirements:

You must have a Boolean Box OR Install Python and Thonny on your personal computer.

Get [Special Pricing](#) on your Boolean Box.

---OR---

Install Python and Thonny on your Windows or Mac (Apple) computer following these instructions:



[Install Python](#)

[Install Thonny](#)

Engineering for Kids:

Coding Foundations – Angry Birds

Ages: 5-8

This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 9 – 10:15am

Week 5: July 20 -24 / Monday – Friday / 1 – 2:15pm

Min: 10 Max: 16

Fee: \$175/week

Campers learn the basics of computer science programming through interactive puzzles and games designed to keep them engaged. They will have fun interacting with Angry Birds characters, while developing investigation techniques, critical thinking skills, and persistence. Campers will develop their understanding of sequencing and loops. This camp teaches through vivid visuals - so any kid can pick it right up.

Coding with the Foos – Exploration Games

Ages: 5-8

This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 1 – 2:15pm

Week 5: July 20 - 24 / Monday – Friday / 9 – 10:15am

Min: 10 Max: 16

Fee: \$175/week

Join the Foos as they take a journey of building coding and logic skills, including automation, boolean logic, stacks and queues, variables and inequalities, and multi-player coding. They experience a mixture of fun and learning by exploring themes such as Pet Pals, Sweet Sorter, Crocodile Catch, and Splash Clash. This camp is great for the junior explorers since coding concepts can be developed even before reading is established through vivid visuals - so any kid can pick it right up. Prior experience is not required.

Mobile App Design

Ages: 9-14

This camp will take place online.

Week 1: June 22-26/ Monday – Friday / 9-11am OR 1-3pm

Week 4: July 13 - 17 / Monday – Friday / 9-11am OR 1-3pm



Week 5: July 20 -24 / Monday – Friday / 1 – 3pm

Min: 10 Max: 16

Fee: \$175/week

App development has increased manifold in the past 5 years due to lower costs and easier access to essential tools, so give your engineer the knowledge to stay ahead in today’s technological society. With this camp, we’re offering a unique experience in which campers get to code, test, and create their own apps in real-time using an easy-to-understand format. Make app games with JavaScript, a text-based language that can be played on a computer or mobile device. The best part is at the end of the week they’ll take home a portfolio of their created apps for play anywhere, anytime!

Coding Foundations – Ice Age and Star Wars

Ages: 5-8

This camp will take place online.

Week 2: June 29 – July 2 *No camp Friday July 3! / Monday – Thursday / 9 – 10:15am

Week 6: July 27 - 31 / Monday – Friday / 1 – 2:15pm

Min: 10 Max: 16

Fee: \$175/week (Prorated Week 2 Fee: \$140)

Campers learn the basics of computer science programming through interactive puzzles and games designed to keep them engaged. They will have fun interacting with Ice Age and Star Wars characters, while developing investigation techniques, critical thinking skills, and persistence. Campers will develop their understanding of sequencing and loops. This camp teaches through vivid visuals - so any kid can pick it right up.

Supercodes with the Foos

Ages: 5-8

This camp will take place online.

Week 2: June 29 – July 2 *No camp Friday July 3! / Monday – Thursday / 1 – 2:15pm

Week 6: July 27 - 31 / Monday – Friday / 9 – 10:15am

Min: 10 Max: 16

Fee: \$175/week (Prorated Week 2 Fee: \$140)

Coding is now among the most important job skills of the future. Engineering For Kids is committed to inspiring kids to learn through fun and in this camp our youngest campers will learn to program by solving a series of puzzle challenges. They will use a visual coding language and will “play” through numerous programming puzzles as they build real coding concepts. This program has won numerous awards for most effective early childhood curriculum on programming and is based on research-backed curriculum from MIT and Princeton.

Video Game Design – Platform Games

Ages: 9-14

This camp will take place online.



Week 2: June 29 – July 2 *No camp Friday July 3! / Mon – Thurs / 9 – 11am OR 1 – 3pm

Week 6: July 27 - 31 / Monday – Friday / 9 – 11am OR 1 – 3pm

This camp will take place online.

Min: 10 Max: 16

Fee: \$175/week (Prorated Week 2 Fee: \$140)

Campers will design and program their own PC video game. A platform game is a side-scrolling, Mario-type game where young coders program characters and a two-dimensional obstacle course. They attempt to avoid or overcome enemies and reach an end goal on multiple levels. Campers take home a copy of the game they create.

Coding Foundations with Pets

Ages: 5-8

This camp will take place online.

Week 3: July 6 - 10 / Monday – Friday / 9 – 10:15am

Week 7: August 3 - 7 / Monday – Friday / 1 – 2:15pm

Min: 10 Max: 16

Fee: \$175/week

Campers learn the basics of computer science programming through interactive puzzles and games designed to keep them engaged. They will have fun interacting with The Pets characters, while developing investigation techniques, critical thinking skills, and persistence. Campers will develop their understanding of loops and events. This camp teaches through vivid visuals - so any kid can pick it right up.

Junior Intro to Coding

Ages: 5-8

This camp will take place online.

Week 3: July 6 - 10 / Monday – Friday / 1 – 2:15pm

Week 7: August 3 - 7 / Monday – Friday / 9 – 10:15am

Min: 10 Max: 16

Fee: \$175/week

Coding is the new literacy! Children can program their own interactive stories. This multimedia adventure is the perfect course for aspiring coders. Campers will create animated stories and games while learning programming concepts. With this drag-and-drop platform developed, they'll play with sprites and blocks to set a foundation of computational thinking—an essential skill in today's tech-driven world. Children snap together graphical programming blocks to make characters move, jump, dance, and sing. Children can modify characters in the paint editor, add their own voices and sounds, then use the programming blocks to make their characters come to life.

Virtual Robotics: Programming with Computational Thinking

Ages: 9-14

This camp will take place online.



Week 3: July 6 - 10 / Monday – Friday / 9 – 11:00am OR 1-3pm

Week 7: August 3 - 7 / Monday – Friday / 9 – 11:00am OR 1- 3pm

Min: 10 Max: 16

Fee: \$175/week

This camp will help you to gain a head start in programming. You won't be just coding, but will build the foundation in the analytics process necessary to become a good software programmer, from design to programming, doing systematic troubleshooting. Gain a unique robotics experience that will increase your interest and awareness in Science, Technology, Engineering, Art, and Math (STEAM) and develop 21st Century skills. We all know that robots make Computer Science (CS) come to life with real world applications. Now STEAM learning can continue while at home.

Coding Foundations with Knights and Dragons

Ages: 5-8

This camp will take place online.

Week 4: July 13 - 17 / Monday – Friday / 9 – 10:15am

Week 8: August 10 - 14 / Monday – Friday / 1 – 2:15pm

Min: 10 Max: 16

Fee: \$175/week

Campers learn the basics of computer science programming through interactive puzzles and games designed to keep them engaged. They will have fun interacting with knights and dragon characters, while developing investigation techniques, critical thinking skills, and persistence. Campers will develop their understanding of loops and events. This camp teaches through vivid visuals - so any kid can pick it right up.

Junior Coders – Animation and Games

Ages: 5-8

This camp will take place online.

Week 4: July 13 - 17 / Monday – Friday / 1 – 2:15pm

Week 8: August 10 - 14 / Monday – Friday / 9 – 10:15am

Min: 10 Max: 16

Fee: \$175/week

This camp is designed to teach young imaginative minds how to create interactive stories, games and animation. Campers learn key computer science concepts such as sequences, loops, and conditionals by building their own fun projects of animated stories and multimedia games. They are encouraged and supported by professionally trained STEAM coaches to design creative games and to think about the programming processes behind the apps and games they see in daily lives.

Virtual Reality – Create Your Own VR World

Ages: 9-14



This camp will take place online.

Week 5: July 20 -24 / Monday – Friday / 9 – 11am

Week 8: August 10 - 14 / Monday – Friday / 9 – 11am OR 1 - 3pm

Min: 10 Max: 16

Fee: \$175/week

Explore the fascinating world of Virtual Reality through hands-on building a 3D space. Campers will learn how to design a world in a 3D format, model objects as 3D characters within our space adventure story, and guide the user through our new 3D world. Spatial thinking, 3D design and point of view are a few of the many important concepts that students grasp through this interactive and creative course. It will allow students to use their creativity to create new landscapes and characters, as well as recreate existing real life examples. Additionally, by experiencing the 3D space through VR, campers can also learn to appreciate and improve their spatial awareness skills. Campers will take home a copy of their virtual reality story to- share with family and friends.

DRAMA Camps

Alexandria Children's Theatre:

Let's Write a Play!

Ages: 9-12

This camp will take place online.

Week 1: June 22 - 26 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 12

Fee: \$110/week

Join drama teacher Emily 'ej' Jonas for fun drama activities, character building, and play writing. Devise characters and create a script based on the group's ideas: a process called playmaking. Campers will learn about themselves as actors and learn to create through process. The week will culminate in an "online" show! Join the fun!

Instructor: Burgundy Middle School Drama Teacher Emily "EJ" Jonas

Musical Time Travel

Ages: 9-12

This camp will take place online.

Week 2: June 29 - July 2 *No camp on Friday, July 3 / Monday – Friday / 1 - 3pm

Min: 6 Max: 12

Fee: \$88/week



Dive into a different decade each day and explore an important musical of the time! Students will play games, act out scenes, sing, dance, and have fun - plus learn some theatre history and foundational performance skills!
Instructor: Nikki Amico.

Over the Rainbow!

Ages: 6-8

This camp will take place online.

Week 3: July 6 – 10 / Monday – Friday / 9:30 - 11am

Week 5: July 20 – 24 / Monday – Friday / 1 - 3pm

Min: 6 Max: 12

Fee: \$100/week

Every day we will sing, we will dance, and we will immerse ourselves in the classic story, *The Wizard of Oz*. Our magical version is adapted for a very short and fun show that will take place virtually on Friday. We will have fun theatre crafts too!

Act Out the Story!

Ages: 6-8

This camp will take place online.

Week 3: July 6-10 / Monday – Friday / 1:30 - 3pm

Min: 6 Max: 12

Fee: \$100/week

Campers will move and laugh A LOT as we play improv games together and they will have the chance to learn basic acting skills such as using their voices and movement to create a character for a short show that will be performed virtually on Friday. We will have theatre crafts too!

Instructor: Burgundy Drama Teacher Roberta Cullen

Learn How to Audition!

Ages: 9-12

This camp will take place online.

Week 3: July 6 – 10 / Monday – Friday / 10am - 11:30am

Min: 6 Max: 12

Fee: \$110/week

Join experienced musical theatre director Matt Brady to get the scoop on what to expect from the minute you walk in the door to audition! Learn about resumes, head shots, and what to wear/not to wear. Every question will be answered, and campers will learn a short dance sequence and song to use for upcoming auditions! Online presentation for families on Friday.

Instructor: Burgundy Music Instructor Matt Brady



Night at the Zoo!

Ages: 6-8

This camp will take place online.

Week 4: July 13 – 17 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 12

Fee: \$110/week

Campers will sing and do some dancing in this fun musical theatre camp based on the beloved children's story Goodnight Gorilla. We will tell jokes, play improv games online, do some theatre crafts, and learn a short performance we will debut for families virtually on Friday. We will help campers create costumes from items they have around their homes for the show!

Instructor: Nikki Amico

The Crayons Quit!

Ages: 6-8

This camp will take place online.

Week 1: June 22 - 26 / Monday - Friday / 9:30 - 11am

Week 4: July 13 – 17 / Monday – Friday / 1:30 - 3pm

Min: 6 Max: 14

Fee: \$100/week

If your child likes this story, they will LOVE our camp! Each day campers will learn about how to use their voices and movements to show character. They will tell jokes and laugh A LOT! Campers will perform a show virtually Friday afternoon.

Instructor: Burgundy Drama Teacher Roberta Cullen

Heroes and Villains!

Ages: 9-12

This camp will take place online.

Week 4: July 13 – 17 / Monday – Friday / 1:30 - 3pm

Min: 6 Max: 12

Fee: \$100/week

Campers will create their own Super Hero or Villain in this super fun camp! They will tell jokes each day, write their own short monologue or dialogue, and create a costume at home for a virtual presentation on Friday afternoon.

Instructor: Burgundy Drama Teacher Roberta Cullen

The Mischievous Unicorn!

Ages: 6-8

This camp will take place online.



Week 5: July 20 – 24 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 12

Fee: \$100/week

Are all unicorns nice? Find out in the fairytale mash-up camp that combines unicorns and favorite characters from fairy tales in an original script that will bring a smile to every camper's face! We will play some acting games, do theatre crafts and tell jokes each day. Campers will have a short presentation for families virtually on Friday.

Instructor: Burgundy Drama Teacher Roberta Cullen

Journey to Hogwarts!

Ages: 9-12

This camp will take place online.

Week 5: July 20 – 24 / Monday – Friday / 1:30 - 3:30pm

Min: 6 Max: 16

Fee: \$110/week

Get your wand ready and grab your robe and join us for this wonderful week of Wizardry! Campers will learn spells and test their Hogwarts knowledge with a daily trivia.. Short scenes will be memorized to be performed virtually on Friday afternoon amongst all the magical fun!

Instructor: Nikki Amico

Down the Rabbit Hole!

Ages: 6-8

This camp will take place online.

Week 2: June 29 - July 2 *No camp on Friday, July 3!! / Monday - Thursday / 9:30 - 11am

Week 6: July 27 – 31 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 14

Fee: \$100/week (Prorated Week 2 Fee: \$80)

Based on *Alice in Wonderland*, this fun camp will teach children to use their voices and movements to show character. Campers will tell jokes and laugh A LOT! Campers will learn a short script to share with families in a virtual performance on Friday afternoon.

Instructor: Burgundy Drama Teacher Roberta Cullen

Playmaking Prehistoric Party!

Ages: 6-8

This camp will take place online.

Week 6: July 27 – 31 / Monday – Friday / 1:30 - 3pm

Min: 6 Max: 12

Fee: \$100/week



Dinosaur lovers unite for this funny camp where we will step, or fly, back in time! Campers will get to tell their favorite Dino-jokes each day, do theatre crafts, and help create a short skit, based on their favorite dinosaurs and their own ideas, that will be performed virtually for families on Friday.

Instructor: Burgundy Drama Teacher Roberta Cullen

Singing and Dancing Musical Theatre!

Ages: 9-12

This camp will take place online.

Week 6: July 27 – 31 / Monday – Friday / 10am - 11:30am

Min: 6 Max: 12

Fee: \$110/week

Musical theatre director Matt Brady will share his love of performing in this informative, fun week! Campers will do some acting, learn a bit of choreography and a song that they can use for future auditions for area theaters. Families will see an online presentation on Friday!

Instructor: Burgundy Music Instructor Matt Brady

The English Garden

Ages: 6-8

This camp will take place online.

Week 7: August 3 – 7 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 10

Fee: \$100/week

For children interested in wonderful tales of rabbits, squirrels, mice and tricky cats all set in England. We'll relax and read a story each day and campers will act out parts together in this performance-free class. Great intro to acting. Perfect for children not quite ready to perform yet.

Instructor: Roberta Cullen

The Art of Theatre

Ages: 9-12

This camp will take place online.

Week 7: August 3 – 7 / Monday – Friday / 1 - 2:30pm

Min: 6 Max: 10

Fee: \$95/week

Get your art supplies out and let's explore making theatre "sets" with shoe boxes, create a perfect costume for a scene, and learn a bit about designing programs and posters. We'll move a bit and tell some jokes each day too.

Non-performance fun for students who want to be backstage.

Instructor: Roberta Cullen



Intro to Musical Theatre

Ages: 9-12

This camp will take place online.

Week 7: August 3 – 7 / Monday – Friday / 1 - 3pm

Min: 6 Max: 10

Fee: \$110/week

Students will learn beginning acting and singing for the musical theatre. They'll explore creating a character, acting a song and telling a story with movement. Pivotal moments from American musical theatre will guide their exploration. Campers will begin crafting skills as triple threats and have fun!

Instructor: Nikki Amico.

ACADEMIC Camps

Burgundy Farm Country Day School:

Burgundy Algebra 1 Honors

Ages: BFCDS Rising 8th Graders

This camp will take place online.

**You will register for the entire session, all 6 weeks*

Session 1, 6 weeks:

Week 1: June 22-26 / Monday – Friday / 9 - 10:30am

Week 3: July 6-10 / Monday – Friday / 9 - 10:30am

Week 4: July 13-17 / Monday – Friday / 9 - 10:30am

Week 5: July 20-24 / Monday – Friday / 9 - 10:30am

Week 6: July 27-31 / Monday – Friday / 9 - 10:30am

Week 7: August 3-7 / Monday – Friday / 9 - 10:30am

Min: 6 Max: 8

Fee: \$1050/session

*****Registration will include an additional fee of \$75 for the year long ThinkWell subscription***

This course will be offered to Burgundy students only, with an initial enrollment limit of 8 students for the session. Students taking this advanced course should feel comfortable with the algebra work we have done in the last trimester of this year and must commit to coming to all synchronous class sessions during the session and completing on-line assignments in a timely manner.



The full Algebra I Honors course will cover all the material traditionally covered in an Honors-Level Algebra I course, and normally covered at Burgundy during the school year, including Foundations for Algebra, Equations, Proportions and Percents, Linear Functions, Systems of Equations and Inequalities, Exponential and Radical Functions, Polynomials, Quadratic Equations, Rational Functions and Equations, Data Analysis and Probability.

The course will use the on-line Thinkwell materials designed specifically for home schooling and remote learning, as well as three synchronous classes each week in the 9-10:30am time slot. The course fee for your camper's first week includes a 12-month subscription to Thinkwell Algebra I Honors (a \$125 value you will receive for \$75), which students will continue to use during the upcoming school year until they complete a full algebra course. We reasonably expect that this work will enable students to complete Algebra I and some or all of a geometry course during their 8th grade year.

The course will be offered in one session that will last 6 weeks this summer, beginning on Monday, June 22. Students are encouraged to participate in as many weeks as they can to get the most out of this program.

Instructor: Burgundy Middle School Math Teacher/Specialist Charlene Pritzker

Algebra Review for High School Math

Ages: \$150

This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 1 - 2:30pm

Week 3: July 6-10 / Monday – Friday / 1 - 2:30pm

Week 5: July 20-24 / Monday – Friday / 1 - 2:30pm

Week 7: August 3-7 / Monday – Friday / 1 - 2:30pm

Min: 6 Max: 8

Fee: \$175/week

This course will be offered to both Burgundy and non-Burgundy students only, with an initial enrollment limit of 8 students in any week-long session. Students taking this course must commit to coming to all synchronous class sessions during the weeks they are registered and completing on-line assignments in a timely manner. This course is designed for rising ninth grade students who took Algebra I this year, but who would like the opportunity to brush up on Algebra I skills before entering high school Geometry or Algebra II in the fall. The review will cover all the material traditionally covered in an Algebra I course, and normally covered at Burgundy during the school year, including Foundations for Algebra, Equations, Proportions and Percents, Linear Functions, Systems of Equations and Inequalities, Exponential and Radical Functions, Polynomials, Quadratic Equations, Rational Functions and Equations, Data Analysis and Probability.

The course will be offered for 4 weeks this summer, beginning on Monday, June 22. Students are encouraged to participate in as many weeks as they can, but it is not required that they participate in all 4 weeks.

Introduction to Math Competitions and Competition Problem Solving

Ages: Rising 7 and 8 Graders

This camp will take place online.



Week 2: June 29 - July 2 *No camp on Friday, July 3! / **Monday-Wednesday- Thursday / 1 -2pm**

Week 4: July 13 - 17 / Monday-Wednesday- Friday / 1 -2pm

Week 6: July 27 - 31 / Monday-Wednesday- Friday / 1 -2pm

Week 8: August 10 - 14 / Monday-Wednesday- Friday / 1 -2pm

Min: 4 Max: 10

Fee: \$175/week

This course is for rising 7th and 8th graders who want to begin preparing for middle and high school math competitions like MathCounts and the AMC series of tests. Students will focus extensively on problem-solving strategies and learn new skills and concepts as necessary. Additional emphasis will also be placed on solving problems in teams, a cornerstone of the MathCounts competition and more local competitions like the Thomas Jefferson High School Math Invitational. The course will meet three times per week - Monday, Wednesday, and Friday - and students will be expected to work on their problem sets during days when the class does not meet. The course will be taught by Burgundy middle school math teacher Lee Bissett - a former mathlete himself - and experienced math competition coach. Lee's MathCounts teams placed in the top 4 in the DC region twice and he has coached one student to the national MathCounts competition. Additionally, he has had two different students receive the top score on the AMC 8 in the DC region.

Instructor: Burgundy Middle School Math Teacher/Specialist: Lee Bissett

Summer Math Skills Review and Maintenance

Ages: Rising 5 and 6 Graders

This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 1 - 2pm

Week 3: July 6-10 / Monday – Friday / 1 - 2pm

Week 5: July 20-24 / Monday – Friday / 1 - 2pm

Week 7: August 3-7 / Monday – Friday / 1 - 2pm

Min: 4 Max: 10

Fee: \$175/week

Athletes and musicians constantly practice their essential skills like jump shots and chord progressions during the off season and while not on tour. So it is with mathematicians - essential skills like arithmetic and working with fractions, decimals, and percents need to be practiced regularly to be maintained. This course will provide rising 5th and 6th graders with fun ways to maintain their essential math skills over the summer while also providing enrichment in certain areas like arithmetic algorithms from other countries and civilizations and arithmetic in other number bases. Students will also practice their arithmetic skills by playing games like 24 and completing the Four 4s challenge. The course will meet every day for approximately 45 minutes and students will not need to complete any work outside of regularly scheduled class times.

The course will be taught by Burgundy Math Specialist Lee Bissett.

Spelling Will Not Count! Writing Class

Ages: 9-13



This camp will take place online.

Week 1: June 22-26 / Monday – Friday / 1:30 - 3:00pm

Week 4: July 13 - 17 / Monday – Friday / 1:30 - 3:00pm

Week 5: July 20-24 / Monday – Friday / 1:30 - 3:00pm

Week 6: July 27 - 31 / Monday – Friday / 1:30 - 3:00pm

Min: 6 Max: 12

Fee: \$150/week

Have you ever read a short story acting like a grocery list? A comic strip? A recipe or a receipt or a review or a nutrition label? We learn a lot of rules in school, and we'll do some of that here, too, but only so we can then learn how to break them. We'll spend the week studying the essential ingredients of a story - setting and characters, descriptions and metaphors, starts and endings (and of course what I believe is the guiding question of all stories) - and adding them into narratives that challenge the traditional style and shape and formula of what a story looks like. This program will include 1.5 hours daily of synchronous work (discussion, writing games, exercises, opportunities to share) and as much asynchronous time to work on our own passion projects as desired. And no, spelling will not count.

Instructor: Burgundy Middle School Humanities Teacher Taylor Bostick

MathTree:

Bean Counting 201

Grades: Rising 2nd

This camp will take place online.

**This is a two-week camp.*

Session 1: July 6-17 / Monday – Friday / 9 - 10:30am

Session 2: July 20-31 / Monday – Friday / 9 - 10:30am

Min: 6 Max: 12

Fee: \$290/session

Campers meet Grouper, the Regrouper, one of the “mathical” characters who will guide campers through the essential process of regrouping that is used in addition and subtraction. Campers will use real beans and test tubes to develop a solid understanding of place value. Exploration in the world of odd and even numbers, patterns, and the creation of a Digit Atlas engage campers and make math fun!

Goal: The ultimate goal of this camp is that campers will be able to subtract multi-digit numbers that involve regrouping. (i.e. $200 - 67$)

Multiplication Matters

Grades: Rising 3rd

This camp will take place online.

**This is a two-week camp.*



Session 1: July 6-17 / Monday – Friday / 9 - 10:30am

Session 2: July 20-31 / Monday – Friday / 9 - 10:30am

Min: 6 Max: 12

Fee: \$290/session

Campers learn the 36 multiplication facts, the roots from which much of the rest of math grows, through a proprietary MathTree® process that provides a rock-solid conceptual base for multiplication while enhancing fact solving and memory with a variety of mathematically based "tricks" with exotic names such as 6 x Even and Thumbs Up, many using hand configurations. No flash cards! Instead, campers connect to the multiplication facts and engage them physically, verbally, and auditorily. Campers play plenty of math games and use manipulatives for an assortment of math activities.

Goal: The goal for this camp is that campers learn what multiplication is, when to use it, and the basic multiplication facts of single digit numbers.

MathTree Roots

Grades: Rising 4th

This camp will take place online.

**This is a two-week camp.*

Session 1: July 6-17 / Monday – Friday / 9 - 10:30am

Session 2: July 20-31 // Monday – Friday / 9 - 10:30am

Min: 6 Max: 12

Fee: \$290/session

MathTree Roots utilizes real-life situations, physical objects, drawings and narratives to build a strong foundation of math in the minds and the hearts of campers! Fractions and division are the focus of group instruction for this camp, while, individually, campers begin their climb up the MathTree®, our proprietary skill system that customizes the camper's pursuit of math skills. Campers should be fluent with single-digit multiplication prior to participating in MathTree Roots.

Goal: The goal is that campers will develop an understanding of fractions and division. Each camper will begin their individual climb through the basic skills that are the foundation of all math understanding.

Roots to Leaves

Grades: Rising 5th – 7th

This camp will take place online.

**This is a two-week camp.*

Session 1: July 6-17 / Monday – Friday / 9 - 10:30am

Session 2: July 20 - 31 / Monday – Friday / 9 - 10:30am

Min: 6 Max: 12

Fee: \$290/session



Campers use the proprietary skill system to refresh, sharpen, and extend their repertoire of math skills. Skills include the 4 basic operations plus fractions, decimals and percents. More advanced campers develop their skills in integers, absolute value, order of operations, exponents, radicals and complex fractions.

ART Camps

Tysons Art and Learning Center

Summer of Color!

Ages: 6-8

This camp will take place online.

Week 1: June 22 - 26 / Monday - Friday / 9:30 - 11am

Week 2: June 29 – July 2 *No camp on Friday July 3 / Monday – Thursday / 9:30 – 11am

Week 3: July 6 - 10 / Monday – Friday / 9:30 – 11am

Week 4: July 13 - 17 / Monday – Friday / 9:30 – 11am

Week 5: July 20 - 24 / Monday – Friday / 9:30 – 11am

Week 6: July 27 - 31 / Monday – Friday / 9:30 – 11am

Week 7: August 3 - 7 / Monday – Friday / 9:30 – 11am

Week 8: August 10 - 14 / Monday – Friday / 9:30 – 11am

Min: 6 Max: 12

Fee: \$170/week (Prorated Week 2 Fee: \$136)

Calling all up-and-coming Picassos!! Here at Tysons Art and Learning Center, we help our students to develop basic skills of visual arts and encourage them to explore their artistic creativities. During our summer camp classes, we will be doing various structured drawings using oil pastel, colored pencil, and watercolor. Kids will be able to raise hands, ask questions, and see other students. We will pick a drawing/topic for each session. We will be using oil pastels, colored pencils, and watercolors. Below is a list of supplies we recommend. However, these are optional, you can use crayons, oil pastels, colored pencils, watercolors and paper you may have at home.

- Oil Pastels-[HERE](#)
- Colored pencils- [HERE](#) OR [HERE](#)
- Sketchbook-[HERE](#)
- Watercolor- [HERE](#)
- Pencil, Eraser, Plastic Cup



Summer of Color!

Ages: 9-12

This camp will take place online.

Week 1: June 22 - 26 / Monday - Friday / 1 - 2:30pm

Week 2: June 29 – July 2 *No camp on Friday July 3 / Monday –Thursday / 1 – 2:30pm

Week 3: July 6 - 10 / Monday – Friday / 1 – 2:30pm

Week 4: July 13 - 17 / Monday – Friday / 1 – 2:30pm

Week 5: July 20 - 24 / Monday – Friday / 1 – 2:30pm

Week 6: July 27 - 31 / Monday – Friday / 1 – 2:30pm

Week 7: August 3 - 7 / Monday – Friday / 1 – 2:30pm

Week 8: August 10 - 14 / Monday – Friday / 1 – 2:30pm

Min: 6 Max: 12

Fee: \$170/week (Prorated Week 2 Fee: \$136)

Calling all up-and-coming Picassos!! Here at Tysons Art and Learning Center, we help our students to develop basic skills of visual arts and encourage them to explore their artistic creativities. During our summer camp classes, we will be doing various structured drawings using oil pastel, colored pencil, and watercolor. Kids will be able to raise hands, ask questions, and see other students. We will pick a drawing/topic for each session. We will be using oil pastels, colored pencils, and watercolors. Below is a list of supplies we recommend. However, these are optional, you can use crayons, oil pastels, colored pencils, watercolors and paper you may have at home.

- Oil Pastels-[HERE](#)
- Colored pencils-[HERE](#) OR [HERE](#)
- Sketchbook-[HERE](#)
- Watercolor- [HERE](#)
- Pencil, Eraser, Plastic Cup

Art Camps with AnnieColor!

Zentangle with AnnieColor

Ages: 9-12

This camp will take place online.

Week 4: July 13 - 17 / **Tuesday – Friday / 1:00 - 2:00pm

Week 6: July 27 - 31 / **Tuesday – Friday / 1:00 - 2:00pm

Min: 10 Max: 15

Fee: \$150/week

We will learn the Zentangle® method of pattern drawing! An easy-to-learn, relaxing, and fun way to create beautiful images by drawing structured patterns. We call these patterns, tangles.



We will create tangles with combinations of dots, lines, simple curves, S-curves and circles. These simple shapes are the “Elemental Strokes” in all Zentangle art. These patterns are drawn on 3.5” x 3.5” small pieces of paper called “tiles” The process of creating the patterns is a form of “artistic meditation” as one becomes completely absorbed in making each pattern, deliberately focusing on the pattern. The creation of patterns increases focus, creativity, and a sense of personal well-being.

Supplies:

- 1 fine point black pen or fine marker
 - 1 pencil (soft 2B art pencil would be best but any pencil is fine)
 - 1 tortillon for smudging (if this is not available a Q-tip will work)
 - One 3.5” x 3.5” square (tile, Zentangle name for the squares). Any type of white art paper cut into a square or you may also draw a 3.5” x 3.5” square on your sketchbook.
- The best pens for kids are the Sakura Pigma Micron PN pen
- Pen: [PEN](#)
 - Square paper: [SQUARE PAPER](#)
 - Pencils: [PENCILS](#)
 - Tortillon: [TORTILLION](#)

Art in a Chicken Yard with AnnieColor

Ages: 9-12

This camp will take place online.

Week 3: July 6 - 10 / **Tuesday – Thursday / 10 - 11am

Week 5: July 20 - 24 / **Tuesday – Thursday / 10 - 11am

Min: 10 Max: 15

Fee: \$150/week

Discover the special connection between art and nature as we draw chickens, flowers, birdhouses, trees and chicken coops. We will enjoy the presence of Annie’s chickens in her backyard. We will observe and learn about chickens, how they live, where they lay eggs, how they eat, sleep and much more. We will sketch our own chicken yard! On raining days, we will learn about chicken coops designs around the world and create art inspired by nature.

HOBBY, SPORT, and GAME Camps

Burgundy Farm Summer Day Camp:

Exhibit Adventure: Make your own Museum!

Ages: 9-12

This camp will take place online.



Week 3: July 6 – 10 / Monday – Friday / 9:30 - 11am

Week 5: July 20 – 24 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 10

Fee: \$175/week

Feeling stuck at home? Ready to go on a virtual trip to some of the most amazing places on the planet? In “Make your own Museum” not only will you tour some of the most famous museums, national parks, and zoos in the world, you will design and build your very own exhibit to be displayed at the site of your choice. Your tour guide will take you through all the details that go into designing an exhibit, and you will plan and build your very own using everyday materials around your home. At the end of the week we will have our grand opening where you will present your exhibit to your fellow campers and families. This program will be a combination of synchronous and asynchronous work that is only bound by the limits of your creativity and imagination.

Computer Clues: Detective Adventure!

Ages: 6-8

This camp will take place online.

Week 4: July 13 – 17 / Monday – Friday / 9:30 - 11am

Week 6: July 27-31 / Monday – Friday / 9:30 - 11am

Min: 6 Max: 10

Fee: \$175/week

A crime has been committed at Burgundy, and everyone is a suspect! Can you, as a Junior Detective, find the clues and solve the crime? You will have to put your sleuthing skills to the test as you tail persons of interest, gather evidence, interrogate suspects, and then use your intelligence and powers of observation to solve the case. It’s a virtual whodunnit, and you will have to pay close attention to uncover the culprit and save the day!

Silver Knights Chess:

Silver Knights: Online Chess Camp!

Ages: 7-12

This camp will take place online.

Week 4: July 13 – 17 / Monday – Friday / 9:30 - 11:45am

Week 7: August 3 - 7 / Monday – Friday / 9:30 - 11:45am

Min: 4 Max: 16

Fee: \$150/week

Learn chess with Silver Knights! We've taught tens of thousands of kids to play, including national champions, but most students are beginners looking to learn and have fun. In our online camp, each student will do two hours of live games and lessons each day over Zoom, with a fifteen minute break in the middle. Lessons are tailored to the skill level of the students. No equipment beyond a computer is required. At the end of the week, students are invited to play in a Friday afternoon chess tournament.



Royal Athletes:

Move and Play!

Ages: 3-6

This camp will take place online.

Week 1: June 22 - 26 / Monday – Friday / 9 - 10am

Week 2: June 29 - July 2 *no camp on Friday, July 3! / Monday – Thursday / 9 - 10am

Week 3: July 6 - 10 / Monday – Friday / 9 - 10am

Week 4: July 13 – 17 / Monday – Friday / 9 - 10am

Week 5: July 20 - 24 / Monday – Friday / 9 - 10am

Week 6: July 27 - 31 / Monday – Friday / 9 - 10am

Week 7: August 3 - 7 / Monday – Friday / 9 - 10am

Week 8: August 10 - 14 / Monday - Friday / 9 - 10am

Min: 4 Max: 16

Fee: \$160/week (Prorated Week 2 Fee: \$128)

Time to move and play through our virtual space! This hands on and interactive camp will get you moving, thinking and playing through easy to follow games. Activities that will be played include virtual Musical Chairs, "Red Light/Green Light", Around the House Scavenger Hunt, Freeze Dance, Color Jump, "Camper Says" and more.

Zuga! (Zumba and Yoga)

Ages: 5-12

This camp will take place online.

Week 1: June 22 - 26 / Monday – Friday / 1 - 2pm

Week 3: July 6 - 10 / Monday – Friday / 1 - 2pm

Week 5: July 20 - 24 / Monday – Friday / 1 - 2pm

Week 7: August 3 - 7 / Monday – Friday / 1 - 2pm

Min: 4 Max: 16

Fee: \$160/week (Prorated Week 3 Fee: \$128)

This combination of Zumba and Yoga will focus on movement, relaxation and good health. Each day of camp will begin with yoga techniques and breathing skills then transition to moving our bodies by dancing and shaking to fitness music. You don't want to miss out on this perfect Zumba and Yoga recipe for wellness fun!

Step it Up!

Ages: 5-12

This camp will take place online.



Week 2: June 29 - July 2 *no camp on Friday, July 3! / Monday – Thursday / 1 - 2pm

Week 4: July 13 - 17 / Monday – Friday / 1 - 2pm

Week 6: July 27 - 31 / Monday – Friday / 1 - 2pm

Week 8: August 10 - 14 / Monday – Friday / 1 - 2pm

Min: 4 Max: 16

Fee: \$160/week

Calling all youth to Step It Up! Stepping is a complex performance that favors folk traditions with popular culture and involves synchronized percussive movement, stepping, clapping, speaking and chanting. Steppers will learn a full movement & choreography routine by the end of each camp week according to ability /level. For a visual example on stepping, please view this youtube video: [Example Stepping Video](#)

Fun Fitness!

Ages: 6 - 12

This camp will take place online.

Week 1: June 22 - 26 / Monday – Friday / 10 - 11am OR 2 - 3pm

Week 2: June 29 - July 2 *No camp on Friday, July 3! / Monday – Thursday / 10 - 11am OR 2 - 3pm

Week 3: July 6 - 10 / Monday – Friday / 10 - 11am OR 2 - 3pm

Week 4: July 13 – 17 / Monday – Friday / 10 - 11am OR 2 - 3pm

Week 5: July 20 - 24 / Monday – Friday / 10 - 11am OR 2 - 3pm

Week 6: July 27 - 31 / Monday – Friday / 10 - 11am OR 2 - 3pm

Week 7: August 3 - 7 / Monday – Friday / 10 - 11am OR 2 - 3pm

Week 8: August 10 - 14 / Monday – Friday / 10 - 11am OR 2 - 3pm

Min: 4 Max: 16

Fee: \$160/week (Prorated Week 2 Fee: \$128)

Get ready for non-stop and high energy fun! Your child will participate in unique fitness circuits by using household items and games to get fit! Our fitness games will focus on cardio and strength. We will also focus on sport circuits such as basketball, soccer and football. Your child will have fun learning the effective ways of exercising and techniques of the various sports. **We encourage campers to have a soccer ball, basketball and/or soft nerf ball.