Session 1
June 22-July 3

Probability and Math Games w/ Athenian Teacher Peter Bonfanti
Grades 6-9
$345 (includes materials)

“Let’s play a game: you roll a die, and if it’s a six, you win; otherwise, I do.”
“I’ve got a better idea: you pick a number from 1 to 5, then I pick a number from 1 to 5. If they add up to 6, I win; otherwise, you do.”
Okay, so neither of these games is fair, but one is even less fair than the other; can you tell which? In this class, we’ll learn the mathematical tools we need to distinguish Games of Chance from games of No Chance At All.

*Specialty dice and a deck of cards will be provided for participation. Athenian Summer Programs will hold a drive-thru pick up on the Friday before the beginning of this enrichment class so that every student is ready to go on Day 1. Any registrations made less than 7 days before this enrichment class will not receive materials, as we need time to order them.
Creative Writing w/ Athenian Librarian Jenny Staller (Max 12)
Grades 6-9
$335

If you love telling stories, come join us as we explore the art of creative writing! We will read some amazing short stories and practice creating some of our own in a supportive and fun environment. We’ll work on characterization, plot development, dialogue, and language choices, all while tapping into our creative sides. Participants can get real time feedback from each other and learn how to become a thoughtful peer editor. No experience is necessary, and writers of all levels are encouraged to sign up.

*Required: All students will need a Google account so that they can share work via Google Drive.

Cartooning - Portraits & People w/ Baylee
Grades 6-9
$345 (includes materials)

In this class, we will focus on learning to draw cartoon faces, expressions, people, and their costumes and hairstyles. We will also take a look at famous animated characters and animated shorts for inspiration and to see what makes those cartoons so great!

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Maker Space at Home w/ Athenian Teacher Mike Meneghetti (Max 10)
Grades 6-9
$385 (includes materials)
Designed to engage the makers and tinkerers this summer, this exciting course will give you the opportunity to hone your technical skills, and use your creativity to make several different projects from home with Athenian project master and Summer Programs legend Mike Meneghetti. Example projects include: marble run, Cardboard Automata and other exciting projects to get students engaged in design thinking. Athenian Summer Programs will be packaging up all specialty materials needed for every project over the two-week virtual course -- we will hold a drive-thru pickup on the Friday before the first day of class so that every maker is ready to go on Day 1. However, we request that each family supply the following list of basic materials from home:

- Scissors
- Compass (circle drawing)
- Masking tape
- Hot glue gun and glue sticks
- Elmer's Glue
- Pencil
- Permanent marker

*Any registrations made less than 7 days before this enrichment class will not receive materials, as we need time to order them.*

**Coding w/ Dave: Computer Programming Sampler**  
*Grades 6-9*  
*$335*

Learn to code and create cool programs with a variety of projects: 3D graphics and animation, sound and music, speech synthesis and recognition, simple text adventure games, and simulations. Professional programmer Dave Briccetti will guide you through programming in **Python**, and in **JavaScript** with the **p5.js** library, and in creating electronic music using **Sonic Pi** and the **Ruby** programming language. No programming experience is required. If you do have experience you’ll still find plenty to challenge you.
See a detailed log from this class from Summer 2019.

**Smartphone Filmmaking w/ Athenian Teacher Peter Tamaribuchi (Max 10)**
*Grades 6-9*
*$335*

Introducing Athenian Summer Programs' virtual filmmaking class! In this course, students will experience an introduction to visual storytelling. Designed for the young filmmaker stuck at home, students will learn the basics of filmmaking and editing on a smartphone, the fundamentals of shooting videos and expressing their ideas into image, and how to create compelling characters. Students will have the opportunity to work independently and collaborate with their fellow filmmakers. Classes will be held on Zoom and led by Athenian Film instructor Peter Tamaribuchi who will provide fun and creative filmmaking options for each student.

**Dungeons & Dragons w/ Dungeon Master Doug (Max 7)**
*Grades 6-9*
*$385*

The Dungeons & Dragons roleplaying game is about storytelling in make-believe worlds of sword and sorcery. In this game, a group of players create imaginary characters and band together to embark on an imaginary adventure. D&D provides structure to these adventures by using a set of rules combined with an element of chance to determine the consequences of the characters' actions. Players roll dice to resolve whether or not their character is able to accomplish some heroic feat or daring gambit. Anything is possible, but the dice make some things more probable than others.

Playing Dungeons & Dragons provides everyone opportunities to use and develop fundamental interpersonal, academic, and life-long skills. Thanks to the nature of the game being set in an imaginary world, players get to learn how to solve problems, resolve conflicts, manage resources, overcome adversity, and how to work together as a team, all in a safe environment. Playing D&D gives players a chance to exercise their organizational skills, analytical skills, basic math skills, and their imaginations. Players frequently need to be resourceful, resilient, and creative over the course of a game as a sudden plot twist in the story turns the characters' plans on their heads. And because D&D takes
place in a make-believe fantasy world, it offers unlimited potential for self-expression. It's most valuable benefit, however, is that it simply gives people a chance to play a fun game together face to face with their friends -- and also a great platform to make lifelong relationships. While we can't meet face to face at the moment, D&D online is still tons of fun!

### Session 2
July 6-17

**Pre-Algebra Fundamentals w/ Athenian Teacher Peter Bonfanti**  
*Grades 6-9*  
*$335*

This intensive, accelerated course is designed to prepare students for Algebra. Students will improve their problem solving skills, recognizing patterns, reasoning visually and spatially. Our approach to math is creative and fun, and Peter is fantastic at engaging students. Students will receive the personal attention they need to understand and enjoy basic Algebra.

*Due to the variant skillsets students come to camp with, we are unable to personalize the math program for each individual child.*

**The Persuasive Essay w/ Athenian Teacher Sam Bishop (Max 12)**  
*Grades 6-9*  
*$335*

This course will help students enhance their persuasive essay writing skills. Students will learn how to introduce a claim and support their claim with convincing facts and logical reasons. The course will also focus on the essay writing
process, which includes brainstorming, outlining, drafting, revising, and publishing. Students will practice essential skills such as writing hooks in their introductions, thesis statements, topic sentences, and strong conclusions.

*Required: All students will need a Google account so that they can share work via Google Drive.

**Cartooning - Storytelling w/Baylee**  
**Grades 6-9**  
**$345 (includes materials)**

In this class, kids will get to bring their very own stories to life. We will learn how to draw all sorts of cartoon characters ranging from people to animals, and each student will assemble a children's book or comic for their original story. We will look at animated shorts to help inspire our stories in class and may even practice some animation through flip-books.

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**Coding w/ Dave: Python Programming: Text Adventure Game**  
*Grades 6-9*  
*$335*

Get creative while learning the basics of Python to create your very own Text-based Adventure Game. The Python programming language is used for data analysis, computer vision, creating games and websites, and much more. Through the process of creating their own game, students will learn about:

- Communicating with the user (*print, input*)
- Taking action depending on conditions (*if*)
- Looping (*while, for*)
- Making events happen randomly in games (*random module*)
- Storing data in various ways (*tuple, list, dictionary*)

**Smartphone Filmmaking w/ Athenian Teacher Peter Tamaribuchi (Max 10)**  
*Grades 6-9*  
*$335*
Introducing Athenian Summer Programs’ virtual filmmaking class! In this course, students will experience an introduction to visual storytelling. Designed for the young filmmaker stuck at home, students will learn the basics of filmmaking and editing on a smartphone, the fundamentals of shooting videos and expressing their ideas into image, and how to create compelling characters. Students will have the opportunity to work independently and collaborate with their fellow filmmakers. Classes will be held on Zoom and led by Athenian Film instructor Peter Tamaribuchi who will provide fun and creative filmmaking options for each student.

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**Session 3**
**July 20-31**

**Energetic Environmentalists w/ Brianna**  
*Grades 6-9*  
*$335*

Travel across the globe and learn about the many environmental issues and systems that make up our planet. Topics and investigations will include the water cycle, endangered species, climate change, and much more. Students will leave this class with a new outlook on the world and learn about what they can do to make an impact.

**Writing for Justice w/ Athenian Teacher Sam Bishop (Max 12)**  
*Grades 6-9*  
*$335*

This workshop-style course will focus on social justice issues including, but not limited to, Immigration, Women’s Rights, and Education. Students will learn about current issues in our world, and how writing can be used to make a positive impact. Students will have the creative freedom to select a social justice topic of their choice to write about during this session.

*All students will need a Google account so that they can share work via Google Drive.*
Cartooning - Animals & Environments w/ Baylee  
*Grades 6-9*  
*$345 (includes materials)*

In this class we will be focusing on cartooning animals and their environments. We will look at a variety of famous animated films and shorts to learn how to create cartoon animals and animal characters that have more human-like characteristics such as those in the Disney movie Zootopia. We will also learn how to stylize their environments and look at how to use color in these worlds.

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Financial Literacy w/ Athenian Innovation Studio Director Vivian Liao  
*Grades 6-9*  
*$335*

Becoming financially literate and feeling confident about managing your money are the ultimate tools of empowerment. Understanding how money works and how it affects a person’s life is as essential as academic and career planning. In this two-week course we will: learn the basics of banking, practice using tools and techniques for budgeting, explore the concept of credit and types of loans, find out how and why it pays to start planning for financial independence, and even try out investing! You will leave this experience ready and excited to start managing your financial future.

Coding w/ Dave: Making Electronic Music with Sonic Pi & Ruby  
*Grades 6-9*  
*$335*

*Sonic Pi* is an application for making electronic music using the *Ruby* programming language. Some experience reading
and playing music would be helpful, but is *NOT* required. The main purpose of the class is to develop programming skills, but the bonus will be making some cool music and sounds. Take a look at the examples on the Sonic Pi website.

We’ll cover:
- The basics of the Ruby programming language: loops, conditions, functions, variables
- How sounds and pitches are produced, and how we hear them
- Making sounds with a variety of Sonic Pi’s synthesizers and samples
- Effects like reverberations, slicing, and panning

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