



EPIC

SUMMER CAMP

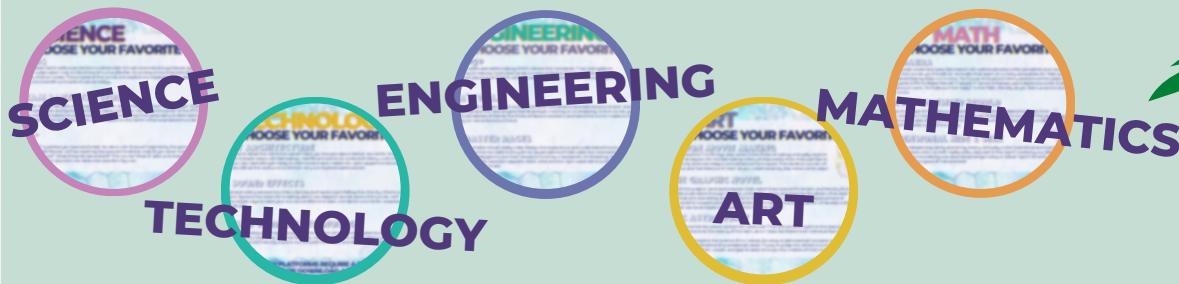
SCIENCE TECHNOLOGY ENGINEERING ARTS MATH

Courses adapted for 6th & 7th graders



WELCOME!

**Read through the catalog and choose
your favorite courses.**
Courses are subject to availability.



**8 COURSES
ONE EACH DAY!**

Each course is written using our patented Bamboo Curriculum with interactive projects, multi-age options, and narrative approach.



SCIENCE

CHOOSE YOUR FAVORITE

▣ CHEMISTRY OF WIZARDRY

Being a muggle is so overrated! Using household products, campers will learn and perform experiments that are so cool, you'd think they were magic. More than mystical explosions, this course encourages higher-level thinking! Campers will use quantitative and nonverbal reasoning to understand the physical and chemical properties that surround us.

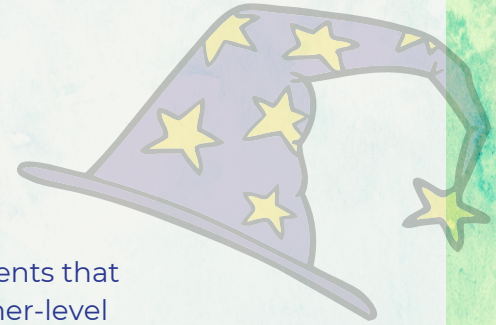
Get in touch with your magical side, and continue to spell-bind your friends and family for years to come. All of these experiments can be done at home (under adult supervision).

▣ PHYSICS AND FUZZY MONSTERS

This course is for those who love science, math, phenomena and Pokémon! How do the creatures we love manipulate light, sound, and the powerful physics found in nature, and use them to attack and defend? From fractions to refraction, Fibonacci, sound waves, and sonar, this course explores the coolest physics as seen through the abilities of those adorable pocket monsters.

▣ GNOME PATROL

Headquarters is receiving a distress call through the fungal network: A tree in your neighborhood needs help. This is a job for the Gnome Patrol, so grab your pointy hat and get going! Tolkien and Collier meet CSI in this fun, hands-on course where tree DNA, leaf print analysis, and pH readings help solve the crime and protect the forest.



TECHNOLOGY

CHOOSE YOUR FAVORITE

▣ SPY CAMP 3000

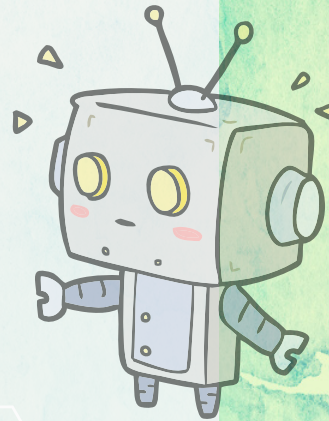
Your Mission: Decrypt @ at <https://www.xarg.org/tools/caesar-cipher/> (Key: Camp Year)
Fsrh, Wtc Omhw, O.G. Yrhivgsziv, Pef Vexw...sri xlmrk xlic epp lezi mr gsqqsr: xli gsspiwx kehkiwx sr xli tperix! Mj csy gvegoih xlmw gshi, nsmr yw jsv Wtc Geqt 3000. Xlivi ampp fi kehkiwx, gshiw, erh (sj gsywi!) xli wigvix pmji sj e wtc.

▣ CLICK LIKE & SUBSCRIBE

The greatest YouTubers of all time are those who share what they love--Ryan opening up new toys, Mr. Beast helping others, Mark Rober inventing cool contraptions. The challenge is sharing a passion in a way that is enjoyable for viewers. Is it a vlog, game streaming, or back-to-back trick shots set to catchy music? In this course, we'll practice the various skills you need to share what you love with the world. From basic setup to videography and editing, you'll create your own video that is ready to click Like and Subscribe.

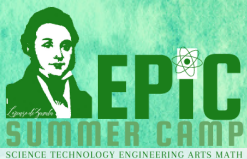
▣ APPS & GAMES WITH SCRATCH

Using the open platform from MIT, coders of all skill levels will utilize Scratch to visualize and make their own apps. Newcomers to the world of coding will make responsive programs while the more advanced coder will enjoy the challenge of game development. All of the apps can be run on any web-enabled computer.



PLEASE NOTE: MANY ONLINE TECH PLATFORMS REQUIRE A PARENT TO REGISTER FOR A FREE ACCOUNT OR DOWNLOAD A FREE APP.





ENGINEERING

CHOOSE YOUR FAVORITE



▣ 3i CHALLENGE

Welcome to the 3i Institute, recruit! You're here because the last guy we hired invented ear wax candles...eww! We need some inventions, innovations, or improvements to get the Institute back on track and help make our world a better place! In this course, you'll learn about the powers of 3i and apply your skill to create new solutions (and possibly save the Earth)!

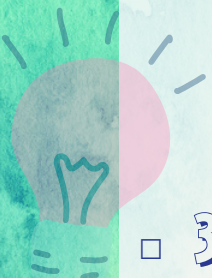
▣ ABOARD THE I.S.S.

Astronauts aboard the International Space Station (ISS) see the sunrise 16 times a day, witness the aurora borealis, and spacewalk miles above the Earth. But did you know that if you burp in space you'll throw up? Going to the bathroom requires a vacuum cleaner, and don't even ask where the water comes from.

This course is for those who love the hype and reality of surviving in space. Together we'll explore the ISS inside and out, from structure and science to simulating a "day in the life" aboard our international space craft. Just don't drink the water!

▣ BUILDING WITH THE ANCIENTS

The pyramids align to magnetic north, with stones so tight you can't get a sheet of paper between them. Roman aqueducts carry water for miles, slowly sloping from lake to valve. A ball rolling across tightly wound strings led to the trajectory of cannonballs that made city walls obsolete. Wha...!? How did humans solve these mathematical quandaries? In this course we'll replicate the techniques of the ancients and construct our designs from antiquity.



ART CHOOSE YOUR FAVORITE

▣ ENDANGERED ART

Elephants and tigers and gorillas, oh my! Some of our most beloved animals on the planet are also endangered. Get to know some of the animals on the endangered species list by examining their unique characteristics and habitat needs through a variety of art activities in a range of media. Campers will become more familiar with some of their favorite animals and discover some new ones they may not have heard of before. In this course, we'll explore the beauty and art of these animals while raising awareness for the need for their conservation.



▣ MODERN MYTHOLOGY

The ancient Greeks regaled generations with epic stories of Mount Olympus, and over 3000 years later, these same gods and goddesses offer insights into our own Super Heroes and Super Villains alike. Compare and contrast the ancient archetypes with the 21st century ones prompted by the genius of Marvel and DC Comics.

If you're a fan of the comic book universe, this course is for you, as we explore the science and mythology of superpowers and costumes. Advanced topics include the philosophy of good and evil, the psychology of the nemesis, the physiology of hidden kryptonite, and so much more—culminating in a hands-on symbolic representation of our complex understanding.

Disclaimers: This course is rated PG, as ancient gods and goddesses didn't always behave appropriately—more explicit subject matter is treated with great sensitivity in class.

▣ ART (THE WRONG WAY ROUND)

Backwards paintbrushes...flashlights instead of ink? What's happening?! In this art class, we celebrate the freedom to make mistakes--to study the ways to do it differently so we can discover new styles! Marvel at the masters, like Ai WeiWei, who are doing it "wrong" and filling our museums with stacks of chairs and bicycles. To mod a quote from David Bowie: We don't know what you'll create, but we promise it won't be boring.



MATH

CHOOSE YOUR FAVORITE

▣ BRAIN-BAFFLING OPTICAL ILLUSIONS

40% of the human brain is devoted to seeing and processing visual material; however, optical illusions make us second-guess this powerful sense—causing us to see what isn't there. Students will learn the science behind the illusions and create their own brain-baffling visuals in this hands-on course.

Through elements of research, art, and artistic products, students will explore the integration between optical illusions and brain science. Advanced topics include neurology and specialized art media.

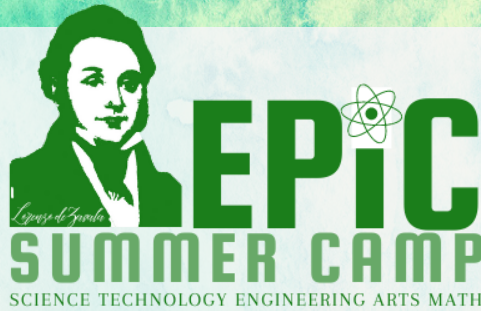
▣ SO MANY FLAVORS OF PI

Welcome to the Great Mathematical Cooking Show! We know that math can be delicious, such as the use of measurements and fractions when you cook, but what is the exact flavor of Fibonacci Nacho Takis? Was your pie sprinkled with pi or your pizza sliced with phi? This is math. This is a cooking challenge. This is mathematical madness presented in a unique and unforeseen way.

▣ WHAT ARE THE CHANCES?

Pawn G7 has fled the chessboard in search of a die to roll, a wheel to spin, or a card to play. From complex problem solving and strategy, to whack-a-mole, G7 explores the games that have played a part in human history for millennia.

In this course, we'll play and reverse-engineer our favorite games in order to build your own game and bring it home. Will the odds be ever in your favor or will your game be so hard no one will play? The concept and competition are all up to you and your creative mind!



"Be critical in your methodology but
unfettered in your imagination."

Edwin Turner
The Galileo Project (with Avi Loeb)

NuMinds Enrichment

