

ASTEME Math & STEM 2019

SUMMER CAMPS & Computer Coding Classes

Learning and applying math in science, technology, & engineering



ASTEME (Advancement of Science, Technology, & Engineering in Math Education) is a groundbreaking STEM enrichment program created by Allan Yu, a former director with the UCLA Math Project and a pioneer in progressive math education.

ASTEME has been described as the BEST SUMMER CAMP program on the Westside!

Each of our camp sessions will have a dynamic field trip to enhance the theme of each week. Our most popular math and STEM camp programs are back, featuring new and returning themes with BRAND NEW activities! All of our sessions will sell out so sign up soon!!

SIGN UP NOW AT WWW.ASTEME.COM

West Los Angeles Location: 11672 Gateway Blvd, Los Angeles, CA 90064
Beverly Hills Location: Horace Mann Elementary, 8701 Charleville Road, 90211

9:00AM–3:00PM (Entering 1st-9th grade):

June 3rd: Harry Potter (Beverly Hills K-6th)

Lumos! We are returning to the magical world of Hogwarts because... we love HARRY POTTER! We will explore even more STEM scenes that are found in the Harry Potter books and recreate the magic with **NEW ACTIVITIES** while learning science and math! In addition to all the fun activities, we will have a Magic Castle magician come to demonstrate and teach magic to the kids! This session will be mirrored on July 15th.

June 10th: Star Wars (Beverly Hills K-6th)

Do or do not – there is no try! Join us in a galaxy far, far away where a great STEM adventure will take place! The students will go on a fantastic journey beyond Earth as we explore the math, science, technology, and engineering found in space and used in the Star Wars series. We will offering **BRAND NEW ACTIVITIES** while learning about the Big Bang Theory, multi-verses, lasers, robotics, colonizing Mars, time travel, and much, much more! This session will be mirrored on June 29th.

June 10th: Animal Planet & Jurassic Park Week

We will take a science and math filled adventure exploring exotic, endangered, and extinct dinosaur species around the world with **BRAND NEW ACTIVITIES**. The campers will climb, run, hop, and leap into the wonderful world of Animal Planet while learning how to design and laser cut pet accessories, administering first aid for pets, building habitats for animals, studying fossils and dinosaurs, de-extinction, and much, much more!! This week will feature a visit by the incredible animal conservation group, Zoo To You.

June 17th: Pixar Adventures (Beverly Hills K-6th)

Join us for an INCREDIBLE week while we explore the science and technology found in the Pixar movies which will include liquid nitrogen (Frozen), 3D printing (Wall-e), Laser cutting (cars), Bungee Jumping (Toy Story), exploring our ecosystem (Finding Nemo), how the brain works (Inside Out), and much more! This session will be mirrored on June 24th.

June 17th: Super Heroes & Super Powers

“I am Groot” – translation “Problem Solvers, Assemble!” Join us for an amazing week of superhero fun as we look at the math and science behind our favorite super heroes with **BRAND NEW ACTIVITIES** We will the physical limitations of super strength (Hulk), psychic powers (Professor Xavier), flying (Superman), running (Quicksilver), swimming (Aqua Man), creating Lightening (Thor), & much, much more!

June 24th: LEGO Adventures (Beverly Hills K-6th)

Everything is awesome; Everything is cool when you're part of ASTEME! Join us for a new round of epic LEGO and LEGO Friends based adventure with **NEW ACTIVITIES**. Our journey continues with exploring the math and engineering involved in building bridges, recreating the International Space Station, 3D design and printing, programming robots, and much more!

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July 8th: Science of Spielberg Movies

Stephen Spielberg has made some of the most memorable movies of our childhood. Join us as we dive into the world of Spielberg movies as we explore the science, technology and engineering found in Ready Player One (Virtual Reality), ET (Search for Life), Jurassic Park, (Genetic Engineering), Close Encounters (Space exploration), Raiders of the Lost Ark (Escape Rooms), AI (Robotics), BFG (Psychology), and much, much more!

July 15th: Harry Potter

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July 22nd : Heroines of STEM – An All-Girls’ STEM Journey

We are so excited to offer an all-girls summer STEM camp session again. Come explore the science and technology behind some of the best science fiction and animated movies including Star Wars, Pixar Movies, Harry Potter, Back to the Future, Avengers and more!

In addition to visiting a farm with an actual CLONED HORSE, the students will ride a real horse like Wonder Woman, cast spells and mix potions like Hermione, soar through the universe like Captain Marvel, program robots like Rey, create ice like Elsa with liquid nitrogen, design jewelry with 3D printers and laser cutters, and much, much more! This will be a week to remember!

July 29th: Star Wars Week

Do or do not – there is no try! Join us in a galaxy far, far away where a great STEM adventure will take place! The students will go on a fantastic journey beyond Earth as we explore the math, science, technology, and engineering found in space and used in the Star Wars series. We will learn about colonizing Mars, time travel, worm holes, artificial intelligence in robots, lasers, and much, much more! This session will be mirrored on June 25th.

August 5th: Disneyland Week

It’s a Small World after all! Welcome back to the happiest camp on Earth! Join us as we continue to explore the math/science behind Disneyland and all things related to movie making, engineering, rollercoasters, architecture and more with **BRAND NEW ACTIVITIES!** We will be going to Disneyland this week on August 9th.

August 12th: STEM Time Machine

Hop aboard the STEM Time Machine as we travel back to visit some of the defining moments in the history of science, technology, engineering and math. We will explore scientific and technological progress through human history, from ancient Greek geometry and the science of Percy Jackson, to Leonardo Da Vinci's Renaissance engineering, to physics discoveries of the revolutionary era of Hamilton, and even the science behind time travel itself!

August 19th: Science & Art

Come explore your creative side in this hands-on camp full of BRAND NEW experiments! We'll dive into the properties of polymers in clay and resin, fluorescence and phosphorescence with the pinkest pink paint, and the science of color mixing with tie dye. We'll also use some of the newest creative tech, including 3D printers, laser cutters, HTC Vive (virtual reality), and much more!

August 26th: Nature & Environmental Science

We will explore the math & science behind environmentalism including organic culture with **BRAND NEW ACTIVITIES** relating to GMOs, rainforests, global warming, recycling, Geocaching, 3D Printing, Virtual Reality, and much more! We will be exploring our community and environment on a daily basis.

Summer Computer Coding Camps

We are offering fun coding classes in the afternoons. Sign up for both to stay/play during the 30min break or just join us at 3:30PM. Beginning classes will introduce the children to the dynamics of Scratch. The beginner/intermediate classes are for students who are comfortable typing and who have had at least 40 hours of coding experience. The cost for the 5 day camp is \$340.

3:30PM–5:30PM: (Weeklong Coding Camps)

June 24th: Beginner Coding Part 1

**July 8th: Beginner Coding Part 2
Intermediate Coding**

July 22th: Robotics 101

July 29th: Robotics 102

Visit www.asteme.com for sign-up information.