



B·A·S·E C A M P

BUILD A SUMMER EDUCATION

3RD AND 4TH GRADE CAMPS, SUMMER 2018

AM (morning):

Coding for Kids (3rd-4th)

1-week session Learn to code by exploring a variety of different coding sites, including MIT's Scratch. Explore programming and design, then create animations and games, building up from wherever your skill level begins. Apply math, problem-solving, critical thinking, reasoning, and computational skills to create fun and original digital projects. Instructor: Paula Spring. *Content will be the same each session.*

Week 1 - June 11 to June 15; 9 to 11:30 AM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 9 to 11:30 AM; at Beye Elementary; \$150

Week 3 - June 25 to June 29; 9 to 11:30 AM; at Beye Elementary; \$150

Coding with Ozobots (3rd-4th)

1-week session Ozobot Bit is the world's smallest smart robot. Build both creativity and coding skills by programming your bot to do cool stuff. Use a computer program called Ozoblockly and code using colored patterns to make the tiny robot follow directions, dance, and move. Advance from basic color coding to intermediate block-based programming with Bit. By the end of the week, your robot will complete a maze designed by you and your fellow campers. Instructor: Scott Naber. *Content will be the same each session.*

Week 3 - June 25 to June 29; 9 to 11:30 AM; at Beye Elementary; \$150

Week 4 - July 2 to July 6 (no camp July 4); 9 to 11:30 AM; at Beye Elementary; \$125

Comics Creator (3rd-4th)

1-week session Write and design your own hand drawn or digital comics! Learn about the history of visual storytelling, starting with the classic comic strip, and discuss what makes a compelling character. Create your own characters and write your own storyline. Take a field trip to a local comic shop to talk about what it takes to get a comic published. The completed creations will be printed in a colorful comic book form to take home. Instructor: Guillermo Delgado. *Content will be the same each session.*

Week 1 - June 11 to June 15; 9 to 11:30 AM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 9 to 11:30 AM; at Beye Elementary; \$150

Kitchen Chemistry (3rd-4th)

1-week session Let's taste science! Using basic kitchen tools and ingredients, we will take a close look at the chemical reactions that create our foods. This camp will be full of hands-on and delicious experiments—exploring the role of elements, examining molecular bonds and live cultures, creating gases, and discovering how food dyes are made. We'll take a look at nutrition and the environmental impact of the foods we eat, too. Learn how to mix kitchen ingredients to make cleaning supplies to leave our workspaces sparkling clean. Instructor: Angie Cataldo. *Content will be the same each session. Note: all ingredients will be nut and egg free, and dairy and gluten modifications can be made upon request.*

Week 1 - June 11 to June 15; 9 to 11:30 AM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 9 to 11:30 AM; at Beye Elementary; \$150

LEGO Stop Motion (3rd-4th)

1-week session Make an animated movie using LEGOs! Create your storyboard, build your LEGO scenery and characters, capture the action with the camera, and put it all together through iMotion software, making your video appear seamlessly animated. End the week with a film festival, and share your videos family and friends. Instructor: Emile Williams. *Bring simple, recycled materials to create your movie set (more information given during the first day of camp). You may register for multiple sessions; campers can animate different stories each session!*

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Week 4 - July 2 to July 6 (no camp July 4); 9 to 11:30 AM; at Beye Elementary; \$125

LEGO Testers (3rd-4th)

1-week session Your job is to engineer the perfect bridge in an imperfect world. You will plan, design, build, and test a bridge structure out of LEGOs. But here's the twist: you must also meet the engineering specs (size of the bridge and requirements for a minimum load weight) and manage a budget for materials with limited resources. Working in teams, you will build, test, and rebuild your bridges multiple times. Instructor: Seth Baker. *Content will be the same each session.*

Week 1 - June 11 to June 15; 9 to 11:30 AM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 9 to 11:30 AM; at Beye Elementary; \$150

Minecraft: Create (3rd-4th)

1-week session Join fellow campers to explore architectural and urban planning endeavors through Minecraft. We will collaborate to build a fully functioning city, balancing all of the necessary construction while respecting the landscape and environment around us. Campers will build their own homes and then move on from there, developing food and water sources, schools, parks, while overcoming fun challenges, all within a secure Minecraft world. Instructor: Griffin Waterman. *Previous experience with Minecraft is helpful, but not necessary. Content will be the same each session.*

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Week 2 - June 18 to June 22; 9 to 11:30 AM; at Beye Elementary; \$150

Minecraft: Explore (3rd-4th)

1-week session Join fellow campers in a secure Minecraft world for unique design challenges. We will be using teamwork and problem-solving skills to create and read maps, tackle environmental challenges, and virtually explore architecture from different places and times. We'll create our own adventures, build societies and systems, and plan treasure hunts in the immersive and creative world of Minecraft. Instructor: John McDowell. *Previous experience with Minecraft is helpful, but not necessary. Content will be the same each session.*

Week 3 - June 25 to June 29; 9 to 11:30 AM; at Beye Elementary; \$150

Week 4 - July 2 to July 6 (no camp July 4); 9 to 11:30 AM; at Beye Elementary; \$125

Science Around Us (3rd-4th)

1-week session Learn about the science of everyday life. We'll take walking field trips to community gardens to examine how plants grow and discover how we can replicate that process without soil. We'll investigate chemistry in nature with natural dyes and more. And we'll explore the physics of movement through breakdancing and traditional playground games. Campers will actively investigate the scientific rules that

govern our daily life and discover new possibilities they never imagined. Instructor: Maya Barros Odim. *Content will be the same each session.*

Week 3 - June 25 to June 29; 9 to 11:30 AM; at Beye Elementary; \$150

Week 4 - July 2 to July 6 (no camp July 4); 9 to 11:30 AM; at Beye Elementary; \$125

Song Engineers (3rd-4th)

1-week session What are the building blocks of a great song? Learn programs such as GarageBand and SoundTrap to gain a better understanding of the fundamentals of songwriting. Add your own lyrics, and sing, rap, or play instruments if you would like to experiment with those skills. Each camper will write an original composition and have the option to share it with the world. No background in music required. Bring your own headphones/earbuds (though some will be available). Instructor: Andrew Seymour. *You may register for multiple sessions; campers can create new songs each session.*

Week 4 - July 2 to July 6 (no camp July 4); 9 to 11:30 AM; at Beye Elementary; \$125

PM (afternoon):

Art Around the World (3rd-4th)

1-week session Every day you will explore a different part of the world. Find each location on a map, learn greetings in the local language, hear exciting stories from these exotic lands, and create art inspired by your "travels." Destinations will include Greece, Egypt, Japan and more. Each stop earns a stamp in your passport. Invent your own country and imagine its art and culture as you build a landmark of your own design. Instructor: Kim Jones. *Content will be the same each session.*

Week 1 - June 11 to June 15; 12:30 to 3 PM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 12:30 to 3 PM; at Beye Elementary; \$150

Claymation (3rd-4th)

1-week session Make an animated movie using clay! Learn how to create an armature (framework), handle the camera, create your storyboard, build your characters from clay and create stop-motion animation. Then we'll put it all together, making your clay character move so it appears seamlessly animated. Instructor: Mindi Maneck. *Wear only clothes that can be ruined – clay is messy! – and bring simple, recycled materials to create your movie set (more information given during the first day of camp). You may register for multiple sessions; campers can animate different stories each session.*

Week 3 - June 25 to June 29; 12:30 to 3 PM; at Beye Elementary; \$150

Week 4 - July 2 to July 6 (no camp July 4); 12:30 to 3 PM; at Beye Elementary; \$125

Critter Science (3rd-4th)

1-week session Inspect insects, mammals and other living things up close and personal! Analyze and dissect real specimens, learning all about insect parts, animal bones and muscles, a variety of chicken tissues, and lots more. You'll learn how living organisms are built and what makes them function. Use microscopes for a closer look into the wonders of these small critters. Document your observations in a sketch journal just like a real scientist and bring it home to continue your adventures. Instructor: Seth Baker. *You may register for multiple sessions; critters will be different each session.*

Week 1 - June 11 to June 15; 12:30 to 3 PM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 12:30 to 3 PM; at Beye Elementary; \$150

Kinetic Contraptions (3rd - 4th)

1-week session With ingenuity, a paper cup, some twine, a ping pong ball and domino tiles, some totally new contraption will come to life! You'll spend the week collaborating to configure this and other "found" stuff into the Rube Goldberg device of your wildest imagination. Creativity and knowledge of simple machines come together in this fun and wacky exercise of solving a problem in the most complicated way possible. Instructor: Salome Yigzaw. *Content will be the same each session.*

Week 3 - June 25 to June 29; 12:30 to 3 PM; at Beye Elementary; \$150

Week 4 - July 2 to July 6 (no camp July 4); 12:30 to 3 PM; at Beye Elementary; \$125

LEGO Engineering (3rd-4th)

1-week session Identify challenges in your world and build solutions, on a miniature scale. Build a LEGO bridge, a mobile medical truck, a rocket – think big! Using LEGO Motorized Mechanisms, design and create vehicles, mini-robots, and motorized contraptions of all sorts. Some projects will incorporate instructions to follow while others will be free-form design, bringing out your inner inventor. Instructor: Griffin Waterman (Weeks 1 and 2); Caitlin Heyman (Weeks 3 and 4). *You may register for multiple sessions; campers can build different machines each session!*

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Week 2 - June 18 to June 22; 12:30 to 3 PM; at Beye Elementary; \$150

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Week 4 - July 2 to July 6 (no camp July 4); 12:30 to 3 PM; at Beye Elementary; \$125

Origami Movie Shorts (3rd-4th)

1-week session Learn about the Japanese art of paper folding and create your own origami characters. Working in small teams, write a story script and create a short film using iMovie to bring your characters to life. We will end the week with a film festival for friends and family while enjoying a Japanese snack. Instructors: Molly Sakamoto and Katie Noonan.

Week 1 - June 11 to June 15; 12:30 to 3 PM; at Beye Elementary; \$150

Raise Your Voice (3rd-4th)

1-week session Have a lot to say? Express yourself through spoken word and creative writing. Explore the elements that make poetry come to life: writing, character development, lyricism and performance! Analyze poetry and the lyrics of your favorite music to see the power of well-chosen words. Experiment with different ways of adding movement to your poetry. You'll build a community of friends and finish the week with a poetry slam performance. Instructor: Maya Barros Odim. *Content will be the same each session.*

Week 3 - June 25 to June 29; 12:30 to 3 PM; at Beye Elementary; \$150

Week 4 - July 2 to July 6 (no camp July 4); 12:30 to 3 PM; at Beye Elementary; \$125

Song Engineers (3rd-4th)

1-week session Explore and create fun and interesting music using technology and your own creativity. No background in music required. Learn programs such as GarageBand and SoundTrap to gain a better understanding of the building blocks of songwriting. Add your own lyrics, and sing, rap, or play instruments if you would like to experiment with those skills. Each camper will write an original composition and have the option to share it with the world. Bring your own headphones/earbuds (though some will be available). Instructor: Andrew Seymour. *You may register for multiple sessions; campers can create new songs each session.*

Week 3 - June 25 to June 29; 12:30 to 3 PM; at Beye Elementary; \$150

Storybook Engineering (3rd-4th)

1-week session Take myths, fables and stories from around the world and engineer new solutions to old problems. Design a stronger web for Anansi the spider, invent a better way for Icarus to fly, or build a mighty bridge that the troll can't destroy. Experiment and work together to imagine solutions through the magic of engineering and the wizardry of science. If at first you don't succeed, try, try again! Instructor: Caitlin Heyman. *Content will be the same each session.*

Week 1 - June 11 to June 15; 12:30 to 3 PM; at Beye Elementary; \$150

Week 2 - June 18 to June 22; 12:30 to 3 PM; at Beye Elementary; \$150

Theater of the Wild (3rd-4th)

2-week session Tell your story with no boundaries. Explore our local wilderness through a field trip, build camp spirit with theater games, and get inspired by nature. Then, through improvisation and collaborative writing, create an original performance with costumes and scenery of your own design. Gain stage skills and confidence while becoming the next generation of caretakers for the earth. Instructor: Rhona Taylor. *You may register for multiple sessions; campers will write different plays each session. In partnership with the West Cook Wild Ones.*

Weeks 1-2 - June 11 to June 22; 12:30 to 3 PM; at Beye Elementary; \$300
