



SUMMER STEAM MAKER CAMP

\$50 OFF *For full week camp registration
 Use code **SUMMER22** at checkout

GRADES 1-2

| | | Jul 11th - Jul 15th | Jul 18th - Jul 22nd | Jul 25th - Jul 29th | Aug 1st - Aug 5th |
|--|--|---|--|--|-------------------|
| | | Dinobots | Going Green | Shark Week | Little Doctors |
| 9:00-12:00 PM |  |  |  |  | |
| | Obsessed with Dinos? Sign-up for our Dino Bot camp and learn to build and program velociraptors, triceratops, pterodactyls and more! Students make use of LEDs, batteries and conductive play dough to make their own light-up and buzzing dinosaurs. They'll use colorful block commands (code) to create their own animated stories! This camp is sure to be Dinomite! | Going Green teaches children to love and respect the earth and all she provides. In this camp students will learn about the environment, sustainability, and threats to our planet. Campers will delight in making their own bird feeders and creating toys out of recycled materials! They'll participate in practical take-home activities like creating a solar light. Sustainability is the future! | Learn all about the ocean's top predator in our Shark Week camp! From hammerheads to great whites we will learn about shark behavior and why these fearsome creatures may be misunderstood. Participate in a number of projects including a game of Sharks and Minnows and learn to build and command a roboshark! | Little Doctors camp presents medicine, science, and the importance of health & hygiene in an entertaining & fun way! Role play with tools doctors use in the real world to learn about the body & how it works. Activities include making a stethoscope, and a mechanical hand! This camp is surely going to inspire our little doctors of tomorrow! | |
| LUNCH & PLAYTIME 1:00-2:00 PM | | | | | |
| 1:00-4:00 PM |  |  |  |  | |
| | Practical chemistry is lots of fun! Learn about the chemistry that you encounter every day in your house. Campers will participate in hands-on experiments to create reactions with different liquids, salt & vinegar. They'll have fun with chromatography applied t-shirts, electrolysis and make exothermic ice cream! Explore the breathtaking and magical world of chemistry! | Ahoy there mates! Your little pirates will have a fun filled week of pirate arts & crafts infused with science - build a real telescope, kaleidoscope & periscope to take home, assemble pirate ships with LED light, make light up creations using playdough, go on a gold coin hunt, make games and create stories using block coding and much more! Blimey, this camp will be a blast! | Space is the Place! Learn all about the wonders and mysteries of what lies beyond Earth. Study planets, black holes, stars, and discuss whether alien life is possible. Campers will complete many fun and engaging STEAM projects including light up LED star circuits, squishy planets and mini robotic Mars rovers that can detect obstacles! | Get creative in this hands-on Little Artists camp! Everyday, campers will refine their motor skills while learning color chemistry and a little art history too! They'll create beautiful and unique works of art to be cherished in years to come. Explore cartooning, water/acrylic painting as well as digital mediums to bring your own creations alive! | |



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GRADES 3-5

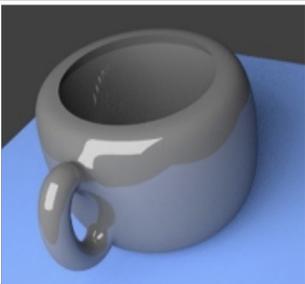
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|---------------|--|--|--|---|-------------------|
| | | Minecraft Missions | 3D Printing & CAD | Space Camp | The Elements |
| 9:00-12:00 PM |  <p>Minecraft (TM) is a great way to get young students to be creative & logical thinkers using drag and drop block coding! In a game-based learning environment, students learn conditionals, variables, functions, coordinates, loops, lists while making strategies and creatively solving problems!</p> |  <p>CAD and 3D Printing introduces students to basic 3-D modeling including primitive shapes, measurements, hollow objects & assemblies. Students learn the tools needed to design exciting projects and will keep the 3-D printed printed models that they make!</p> |  <p>Love Star Wars? Explore futuristic technology seen in movies! Build and program R2D2, use sensors to detect and interact with each other, remote control it, code the jump to lightspeed, or even craft your own lightsaber! This camp is sure to be a blast while getting scholars to develop an interest in robotics and coding!</p> |  <p>Explore the elements in this brand new camp in a hands-on exploratory manner! What happens when sodium is put into water? Why do some elements generate light when powered by electricity? Throughout the week we will learn all about the elements of the periodic table through a series of amazing experiments.</p> | |
| | LUNCH & SPORTS / FREE TIME 1:00-2:00 PM | | | | |
| 1:00-4:00 PM |  <p>Assemble Avengers! Use your powers for good in this superhero themed camp! Craft an LED Ironman that really lights up! Grow kryptonite crystals, learn to draw your favorite Avengers characters, and animate your favorite characters! Don't miss out on this camp. It's going to be SUPER!</p> |  <p>You see stop motion animation all the time on TV and in movies. This camp offers children ownership & autonomy in the film making process & encourages problem solving. Kids learn to plan out where a story is heading and fosters iteration & experimentation through trying and testing!</p> |  <p>Get your hands dirty at Pottery camp! Campers learn to make bowls, mugs, vases, and more using clay! Craft figurines and make ornaments. Use your imagination or follow templates to get new ideas. Have fun learning to paint, glaze, and fire pieces you get to take home at the end of the week!</p> |  <p>Learn to play chess at Chess Camp! Throughout the week kids will study the basics of chess, once mastered, kids will focus on techniques and typical strategies while working in pairs. Learn to make the best move, practice patience & strategy. We might even learn to 3D print a chess piece! This camp is sure to get young minds thinking!</p> | |



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|---------------|--|---|---|--|
| | Electronics & Soldering | 3D Printing & CAD | Arduino Robotic Car | Rocketry |
| 9:00-12:00 PM |  <p>Learning how to solder is quite easy and, with a little practice, you will be soldering your own electronics circuits. You can create something new that never existed before. Campers in this class learn about electronics circuits to build LED flashers, a radio transmitter, a touch sensing lamp and a 555 IC tone generator.</p> |  <p>CAD and 3D Printing introduces students to basic 3-D modeling including primitive shapes, measurements, hollow objects & assemblies. Students learn the tools needed to design exciting projects and will keep the 3-D printed models that they make!</p> |  <p>Learn the fundamentals of electrical engineering and explore autonomous robotics code with Arduino microcontroller and its sensor & motor eco-system. Understand & learn to write code for line tracking, obstacle avoidance, IR remote control & Bluetooth control with an app on your phone.</p> |  <p>Students in this fantastic camp engage in building air pressure, alcohol powered rockets while also participating in rocket launches using real rocket engines! The scientific, technological, engineering & mathematical foundations of rocketry provide exciting opportunities for authentic hands-on experimentation!</p> |
| | LUNCH & SPORTS / FREE TIME 1:00-2:00 PM | | | |
| 1:00-4:00 PM |  <p>Blender is a free and open source 3D creation suite. It supports the entirety of the 3D pipeline — modeling, rigging, animation, simulation, rendering, compositing & motion tracking. Thanks to high quality rigging and animation tools, Blender is used for numerous short films, ads, TV series and feature films now.</p> |  <p>What if your clothing could change color based on mood? Shoes with accelerometers that can change LED colors, jackets that display when the next bus is coming, and neckties that can nudge your project partner across the room. Use sensors to display acceleration and volume. The possibilities are endless!</p> |  <p>A soups to nuts highly creative camp full of practical techniques and how-to's covering photography, digital art work on tablets, image manipulation using Photoshop and Adobe Animate as well as editing & production using video and audio. Make your own themed projects like a brochure for launching your own company!</p> |  <p>This totally safe working woodshop is a great way for kids to craft, create, build, and otherwise discover skills that can provide a lifelong source of enjoyment. Turn out real wood works in this Cool Workshop that's a combination of jigsaw, lathe, drill press, & sander. Make your own wooden bench, coat & hat rack, storage box!</p> |