

SUMMER CAMP 2020



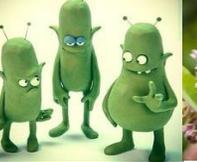
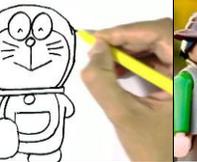
Ages 4-6 (PreK-KG)

	June 29 - July 2	July 6-10	July 13-17	July 20-24	July 27-31	Aug 3-7	Aug 10-14	Aug 17-21	Aug 24-28
9-12p Morning Session	Stars & Stripes 	Little Doctors 	Going Green 	Super Science 	Robotics w Dash 	Animal Planet 	Star Wars 	Up and Away! 	Jurassic Park 
	Celebrate the birth of our country with a Party in the USA mini camp! For 3 days we will be crafting a number of patriotic projects. From paper LED fireworks using copper tape and batteries to animation using easy to use drag and drop blocks, campers are sure to have fun both celebrating and learning!	Little Doctors camp presents medicine, science, and the importance of health & hygiene in an entertaining & fun way! Role play using tools that doctors use in the real world to learn all about how the body works. This camp is surely going to inspire our little doctors of tomorrow!	Going Green teaches children to love and respect the Earth and all she provides. In this camp we 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! Sustainability is the future!	A practical hands-on science and craft camp for kids to enjoy and explore the amazing world of science! Conduct experiments with food coloring, baking soda and other safe ingredients. Make your own oobleck! Build paper airplanes, sturdy bridges, and balloon powered cars amongst other fun STEM activities.	Propel the fun forward with personable robots and easy to use drag and drop apps, designed specifically for the youngest of kids for them to explore, command robots. They can make solve mazes or throw balls in a contest all by learning to solve problems in this step by step fun learning camp!	Discover the wonders of animal life in our Animal Planet camp! Campers will work on a number of animal themed projects from a variety of mediums including electronics, clay, animation, paper, canvas, and more! Learn to make a butterfly that can actually fly and a lightning bug that really lights up!	Send your younglings off to Star Wars camp to train as Jedi Knights! We will learn to program robots similar to R2D2, craft clay aliens, create galactic paintings, and build LED light-up lightsabers! Art and Crafts as well as learning by playing with a Robot! Each day will end with a few minutes of Jedi meditation ensuring they are focused and using the 'force' for good.	Explore the wonders of sky and space! Learn how man and animals defy gravity! From birds to planes, we'll study the workings of flying machines. Campers will spend the week crafting mini rockets, airplanes, parachutes, and more! Loads of colorful hands-on activities, music & art combined with physical discovery and role play!	Obsessed with dinos? Sign-up for our Jurassic Park camp where campers will learn all about dinosaurs, how they evolved, where they roamed, what they ate, and why they're now extinct. Participate in an excavation to uncover mysterious fossils!
LUNCH (12-1p)									
1-4p Afternoon Session	Stars & Stripes 	Jurassic Park 	Up and Away! 	Star Wars 	Animal Planet 	ScratchJr 	Super Science 	Going Green 	Little Doctors 
	Celebrate the birth of our country with a Party in the USA mini camp! For 3 days we will be crafting a number of patriotic projects. From paper LED fireworks using copper tape and batteries to animation using easy to use drag and drop blocks, campers are sure to have fun both celebrating and learning!	Obsessed with dinos? Sign-up for our Jurassic Park camp where campers will learn all about dinosaurs, how they evolved, where they roamed, what they ate, and why they're now extinct. Participate in an excavation to uncover mysterious fossils!	Explore the wonders of sky and space! Learn how man and animals defy gravity! From birds to planes, we'll study the workings of flying machines. Campers will spend the week crafting mini rockets, airplanes, parachutes, and more! Loads of colorful hands-on activities, music & art combined with physical discovery and role play!	Send your younglings off to Star Wars camp to train as Jedi Knights! We will learn to program robots similar to R2D2, craft clay aliens, create galactic paintings, and build LED light-up lightsabers! Art and Crafts as well as learning by playing with a Robot! Each day will end with a few minutes of Jedi meditation ensuring they are focused and using the 'force' for good.	Discover the wonders of animal life in our Animal Planet camp! Campers will work on a number of animal themed projects from a variety of mediums including electronics, clay, animation, paper, canvas, and more! Learn to make a butterfly that can actually fly and a lightning bug that really lights up!	ScratchJr is used by millions of young people around the world. They learn how to create and express themselves with technology, not just to interact with it. In the process, children learn to solve problems and design projects, and they develop sequencing skills that are foundational for later academic success.	A practical hands-on science and craft camp for kids to enjoy and explore the amazing world of science! Conduct experiments with food coloring, baking soda and other safe ingredients. Make your own oobleck! Build paper airplanes, sturdy bridges, and balloon powered cars amongst other fun STEM activities.	Going Green teaches children to love and respect the Earth and all she provides. In this camp we 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! Sustainability is the future!	Little Doctors camp presents medicine, science, and the importance of health & hygiene in an entertaining & fun way! Role play using tools that doctors use in the real world to learn all about how the body works. This camp is surely going to inspire our little doctors of tomorrow!

SUMMER CAMP 2020



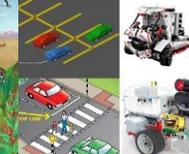
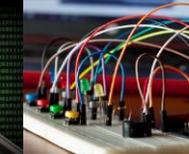
Grade 1-3

		June 29 - July 2	July 6-10	July 13-17	July 20-24	July 27-31	Aug 3-7	Aug 10-14	Aug 17-21	Aug 24-28	
9-12p Morning Session		Party in the USA	Minecraft	Forensic Files	Wild West	Star Wars	Going Green	Lunar Base	Cartooning	Director's Cut	
											
		Celebrate the birth of our country during the July 4th week at our "Party in the USA" mini camp! For 3 days campers will craft patriotic projects including simple electronics (LED lights, Magnets), animation and coding, art and crafts, rocketry, and LEGO robotics! This camp is sure to be a blast!	Obsessed with Minecraft? Join Minecraft camp to create your own games & animations! Learn to code using SCRATCH's easy "drag and drop programming". All projects are with Minecraft as the theme for the week. Coding helps young kids learn to think creatively, reason systematically, & work collaboratively.	Somebody's stolen the President's rubies! The FBI needs your help to catch the thief! Learn all about forensics, fingerprinting, code breaking, and more to solve clues leading to the criminal's arrest. Campers become problem solvers and also learn to work in a team while having endless fun looking for this crafty thief!	Go wild at Wild West camp! Create a number of western themed projects using STEAM inspired projects! 3D print your own sheriff's star! A very gentle and fun loving rattle snake robot will tempt you to go close and play with him! But you need to use coding blocks to make him work. Map the starry prairie sky with LED lights! Learn to lasso and more!	Send your younglings off to Star Wars camp to train as Jedi Knights! We will learn to program robots similar to R2D2, craft clay aliens to use in stop motion animation, create galactic paintings, and build LED lightsabers! This camp is sure to get kids thinking about technology that is out of this world!	Going Green teaches children to love and respect the Earth & all she provides. In this camp we will learn about the environment, sustainability, and threats to our planet. Campers will delight in making their own bird feeders, creating toys out of recycled materials or build robots that can help in making a Sustainable future!	Space is the place! In this camp students are challenged to make a Lunar Base while learning robotics, science and engineering skills. They will use LEGO bricks, sensors, motors, gears, and block coding to prep their rover for an outerspace expedition! They will think and create projects about energy, water, food, air, transport on the moon!	Send your child to Cartooning camp to enhance their drawing skills and unleash their creativity! They are sure to have a great time learning new techniques whilst doing something they love! If they can dream it, they can draw it! In a simple step-by-step manner campers learn how to draw faces, hair, adding realism to their favorite character!	Lights, camera, action! In Director's Cut, campers call the shots. Using Stop Motion Animation they will create their own mini movie masterpiece! From crafting clay characters to painting backgrounds, from editing to script writing, these budding "Spielberg's" will learn all there is about movie making.	
	LUNCH (12-1p)										
	1-4p Afternoon Session		Crazy Chemistry	The Jungle Book	Jurassic Robots	Animal Planet	Crazy Chemistry	Arctic Explorers	Music & Art	I am an Architect	Creature Craze
											
			Unleash your inner mad scientist at our Crazy Chemistry camp! Conduct zany, safe experiments to learn all about elements, chemical properties, and reactions! Make Oobleck and eat exothermic ice cream! Like the combination of baking soda and vinegar, this camp is sure to be a blast! Make a penny battery or make a magic potion that when shaken changes color!	A Robotics program with a Jungle book theme! Think Mowgli™ and his animal friends! Monkey around using motors, gears, pulleys, and sensors to create fun Jungle themed missions! Campers will learn about simple machines like gears to create motion. It's problem solving & logical thinking with block coding!	Obsessed with Dinosaurs? Sign-up for our Jurassic Robots camp where campers will learn all about dinosaurs, how they evolved, where they roamed, what they ate, and why they're now extinct. Learn to use commands (code) to control Sensors & Motors Participate in an excavation to uncover mysterious fossils!	Embrace your love of animals at our Animal Planet camp! We will be learning more about our favorite species through a multitude of projects including stop motion animation, LED circuits, making robots that move & light up, art, & coding programs. A monkey that climbs on vines, a frog that jumps & croaks!	Embrace your inner mad scientist at our Crazy Chemistry Camp! Conduct zany, safe experiments to learn all about elements, chemical properties, and reactions! Make oobleck and eat exothermic ice cream! Like the combination of baking soda and vinegar, this camp is sure to be a blast!	Cool off with our Arctic Explorers camp! Learn about all things Arctic, including the magnitization of the North and South Poles, the differences between water and ice, and how life thrives in such a harsh environment. Plus, indulge in and make-your-own rock salt ice cream!	Sing your heart out at our Music and Arts camp! Try your hand at different instruments including Piano, Guitars, Drums and Ukulele. Learn to make your own maracas! 3D print a whistle and discover the magic of crafting music on a computer, make a virtual piano using drag and drop coding! Dress up and participate in a musical play!	Build a detailed model of the New York City Skyline, including the Statue of Liberty! If you have a child with an interest in architecture, this camp is a must. Learn about domes from across the world! From igloos to Bucky Fuller's minimalist structural frames, this amazing shape has many uses. Building an Eiffel tower model & much more!	Embrace your love of animals at our Animal Planet camp! We will be learning more about our favorite species through a multitude of projects including stop motion animation, LED circuits, robotics, art, and coding amongst others. Problem solving and creativity have never been this fun when you see your own robotic creature come alive and respond to you!

SUMMER CAMP 2020



Grade 4-6

		June 29 - July 2	July 6-10	July 13-17	July 20-24	July 27-31	Aug 3-7	Aug 10-14	Aug 17-21	Aug 24-28
9-12p Morning Session		Red, White & Blue	EV3 Battle Bots	Stop Motion	Home Bots	Animal Safari	Driverless Cars	Bio-Bits	Space Engineers	Going Green
										
		Join us in celebration of the 243rd birthday of the United States of America! Spend 3 days crafting patriotic projects including red, white, and blue smokers, a flag toting robot, and light-up LED fireworks! Can we use some magic code to make our fireworks to come alive? Learn simple electronics, CAD & 3D Printing and a little about our nation's history too!	Campers learn robotics, engineering, and coding to build a fighting robot! Students can make their own custom design and accessorize them! Utilize LEGOs, gears, and sensors to create a robot that responds to your command! EV3 Battle Bots is an excellent way to motivate children to get deeper into robotics while enhancing their creativity, logical thinking, and social skills.	You see stop motion animation all the time on TV and in movies even if you don't realize it. This camp offers children the chance to create their own original stories. Throughout the week they will craft clay characters, design backdrops, and learn to edit their films. Be your own movie director, plan, story board, think about props and actors as well as music and sounds.	Kick back and relax while robots do the work for you! Learn to build and program robots that will fold your clothes, feed your pets, sweep LEGO pieces and clean your room, and even alert you to intruders! How about a self-balancing 2 wheeled butler! This camp is sure to enhance students' engineering and programming skills while having incredible fun!	Go wild at Animal Safari camp! Learn more about your favorite animals through STEAM activities! Design clay animal characters to star in a stop motion film you direct! Make a 3D LED light-up anglerfish, create a Cheetah animation! We as a team will make the perfect and sustainably designed Safari park complete with lights, cardboard layouts, water park and animals!	Learn to design, build, power, and program robotic cars! Craft vehicles that can detect pedestrians and parallel park or self park autonomously at the push of a button! This is a great camp for enhancing students' engineering and robotics skills! Can you make a robot to seamlessly change lanes when you detect other cars?	Bio-Bits (MIT) simplifies molecular biology experiments so more time can be spent on learning! Since molecular biology is particularly difficult to teach, these HANDS-ON activities are a great introduction about DNA and proteins. Students get to set up their own actual experiments and see the processes happen before their eyes!	Campers use the engineering design process & team work to create a satellite. These satellites will have to survive a fall from 1m as well as a straw rocket launch without losing any parts. Campers will be using science & math. They will be presented fun & challenging NASA activities they're sure to love.	In a world where we are rapidly running out of resources, sustainability is key! Learn all about green technologies and clean energy. This is a very hands-on camp where students will build solar powered phone chargers and robots that can water house plants. They will also spend time outdoors planting milkweed to aid pollinators.
LUNCH (12-1p)										
1-4p Afternoon Session		Locomotion	Med Bots	Mission Impossible	The Drone Coders!	Star Wars	Forensic Files	The Electronics LAB	EV3 Mars Mission	Wearable Electronics
										
		Campers look at the nature and study many forms of locomotion like Geckos, Snakes, Scorpions and then apply the engineering design process to design and build Robots with Suction Cups to climb walls or move using serpentine action or use multiple legs. This Camp is surely going to encourage students to observe the marvels of nature and think deeper about mechanical movements!	Build robots that can change and save lives! Medical Robotics! Robotics is helping mankind overcome many medical conditions. Learn to create a prosthetic arm or a Cyborg Arm, program a bed-side bot that responds to your voice, even craft a robot to build bone! Use your design, coding skills! Have fun and learn invaluable skills at Med Bot camp!	Do you have what it takes to be a spy? Learn about spy history and technologies in Mission Impossible camp! Campers will also learn about optics, lasers and the physics of light! Campers will build take home periscopes, Galilean telescopes, virtual reality goggles as well as explore properties of light, optical illusions, fiber optics and much more!	Learn to code with a drone as a platform. The perfect introduction to real programming! Coding is done via Blockly (for beginners) or Python (for students who have done some block coding). Execute pin-point turns, flight loops, camera control, gyro turn as well as missions like going to an exact far away place and knocking down all the bowling pins This is done using coding!	Love Star Wars? Explore futuristic technology seen in the films! Build a BB8 droid and create an LED lightsaber! Craft clay porgs to star in your very own stop motion animation film! Camp doesn't get any cooler than this! Learn to design using CAD and then 3D Print cool Star Wars themed things and bots!	There's been a murder! Team up with the FBI for a week to help catch a criminal. Learn about forensics, investigate a crime scene, test DNA, interrogate suspects, analyze writing, and break codes! This camp is sure to provide a wonderful and engaging basis for campers interested in forensics, law, and justice!	Young makers explore learning basics of electronic circuits and how electronic components work, which they can then apply to an idea of their own. Students create their project using everyday materials. Students will use breadboards and will learn to build circuits that blink, squeak, play music, tick and whirl. Learn soldering skills with a custom take home MAKER'S Badge!	In EV3 Mars Mission campers learn to build and program a Mars rover! They must work as a team to overcome a series of challenges including craters and uneven terrain. This camp prepares students for LEGO competitions of a similar nature. Campers will learn sensor control, programming, testing and engineering design!	Make a fashion statement with electronics you can wear! Craft your own light-up LED crown, program a flashing wearable safety light, make your own laser glove, and more! Make a moving LED light wearable bracelet, Kaleidoscopic LED ring Goggles or a LED Backpack! We will use conductive threads, LEDs, simple electronics and some coding as required!