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TO REGISTER

# Summer Camp 2018



## July 31st-Aug 4th for GRADE 1-2 (Ages 7-8)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00AM to 11:00AM	NO CLASSES	MILO the Engineer (ROBOTICS)	SCRATCH - Art & Music (CODING)	Animal Extravaganza (ROBOTICS)	Super Science (SCIENCE)	Little Doctors (BIOLOGY)
LUNCH BREAK (Parents pickup time) - No LUNCH is provided/served by Camp						
2:00PM to 4:00PM	NO CLASSES	Crazy Chemistry (SCIENCE)	Silly Circuits (ELECTRONICS)	SCRATCH - Animation (CODING)	Silly Circuits (ELECTRONICS)	Space Bots (ROBOTICS)

## Aug 7th-Aug 11th for GRADE 1-2 (Ages 7-8)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00AM to 11:00AM	NO CLASSES	MILO the Engineer (ROBOTICS)	SCRATCH - Art & Music (CODING)	Animal Extravaganza (ROBOTICS)	Super Science (SCIENCE)	Little Doctors (BIOLOGY)
LUNCH BREAK (Parents pickup time) - No LUNCH is provided/served by Camp						
2:00PM to 4:00PM	NO CLASSES	Crazy Chemistry (SCIENCE)	Silly Circuits (ELECTRONICS)	SCRATCH - Animation (CODING)	Silly Circuits (ELECTRONICS)	Space Bots (ROBOTICS)

## Aug 14th-Aug 18th for GRADE 1-2 (Ages 7-8)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00AM to 11:00AM	NO CLASSES	MILO the Engineer (ROBOTICS)	SCRATCH - Art & Music (CODING)	Animal Extravaganza (ROBOTICS)	Super Science (SCIENCE)	Little Doctors (BIOLOGY)
LUNCH BREAK (Parents pickup time) - No LUNCH is provided/served by Camp						
2:00PM to 4:00PM	NO CLASSES	Crazy Chemistry (SCIENCE)	Silly Circuits (ELECTRONICS)	SCRATCH - Animation (CODING)	Silly Circuits (ELECTRONICS)	Space Bots (ROBOTICS)

## July 31st-Aug 4th for GRADE 3-5 (Ages 9-11)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00AM to 11:00AM	NO CLASSES	Crazy Chemistry (SCIENCE)	DIY Electronics (ELECTRONICS)	Game Design (CODING)	Car Physics (SCIENCE)	EV3 MINDSTORMS (ROBOTICS)
LUNCH BREAK (Parents pickup time) - No LUNCH is provided/served by Camp						
2:00PM to 4:00PM	NO CLASSES	EV3 Art Bots (ROBOTICS)	Python for Fun (CODING)	Animal Zoo (ROBOTICS)	DIY Electronics (ELECTRONICS)	Stop Motion Animation (ART)

## Aug 7th-Aug 11th for GRADE 3-5 (Ages 9-11)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00AM to 11:00AM	NO CLASSES	Crazy Chemistry (SCIENCE)	DIY Electronics (ELECTRONICS)	Game Design (CODING)	Car Physics (SCIENCE)	EV3 MINDSTORMS (ROBOTICS)
LUNCH BREAK (Parents pickup time) - No LUNCH is provided/served by Camp						
2:00PM to 4:00PM	NO CLASSES	EV3 Art Bots (ROBOTICS)	Python for Fun (CODING)	Animal Zoo (ROBOTICS)	DIY Electronics (ELECTRONICS)	Stop Motion Animation (ART)

## Aug 14th-Aug 18th for GRADE 3-5 (Ages 9-11)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00AM to 11:00AM	NO CLASSES	Crazy Chemistry (SCIENCE)	DIY Electronics (ELECTRONICS)	Game Design (CODING)	Car Physics (SCIENCE)	EV3 MINDSTORMS (ROBOTICS)
LUNCH BREAK (Parents pickup time) - No LUNCH is provided/served by Camp						
2:00PM to 4:00PM	NO CLASSES	EV3 Art Bots (ROBOTICS)	Python for Fun (CODING)	Animal Zoo (ROBOTICS)	DIY Electronics (ELECTRONICS)	Stop Motion Animation (ART)

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# Summer Camp 2018



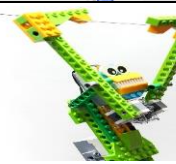



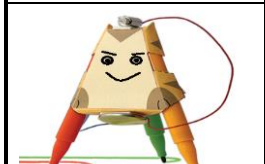



## Camp costs:

1. **Standard Package:** A minimum of 5 out of 30 lesson required (\$1800)
2. Add an **extra** lesson at \$360 a lesson
3. **Discounted package** of 15 lessons (\$4800)

## Camp Rules:

1. Students should promptly arrive at the designated time.
2. Disruptive Students will get a warning and if disruption continues a 10 min time out be

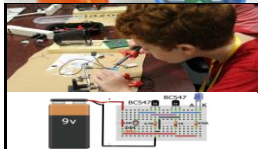
## PROGRAM DESCRIPTIONS for GRADE 1-2 (Ages 7-8)

	<p>Nurture curiosity, science &amp; engineering skills with a wonderful introduction to ROBOTICS with LEGO Bricks, Tilt and Motion Sensors, Motors and gears. MILO pretends to be a super engineer lifting tables, dragging and cleaning up spaces. Block coding is super easy and fun while developing creative &amp; logical problem solving skills!</p>
	<p>Kids learn to create their own games &amp; fun stories &amp; animations with SCRATCH using “drag and drop programming”. Think creatively, reason systematically, &amp; work collaboratively. Color coded, intuitive drag &amp; drop block programming, as well as sounds, backdrop images and drawings are used. <b><u>Get kids to code!</u></b></p>
	<p>A wonderful introduction to ROBOTICS with LEGO Bricks, Tilt and Motion Sensors, Motors and gears, Block coding. Build these fun Animal Robots controlling them using block coding. Develop spatial thinking, motor skills, creative and logical problem solving! An incredible monkey that can climb a zip line, a leaping frog that makes fun sounds &amp; honey bees on a flower!</p>
	<p>The theme for this day is all things that fly! Planes and rocket craft, colorful straw rockets, balloon powered rockets, bottle airplanes, parachutes! Lots of educational activities for our Campful of scientists! Children participate in live hands-on projects to understand the air pressure and what makes things fly. Parachutes, gliders, rockets &amp; more!</p>
	<p>Little Doctors camp day brings medicine, science &amp; the importance of health and hygiene in an entertaining &amp; fun way! Role play using tools that doctors use in real world, learn how the body works, bones in the body, how the heart works. Use microscopes to see cells! This camp is surely going to inspire our little doctors of tomorrow!</p>
	<p>Practical Chemistry is lots of fun! Learn about the chemistry that you encounter every day in your house. Experiment hands-on with real chemical reactions &amp; test different liquids, salt, vinegar. Create your own chromatography applied Tshirt to take home. What is Electrolysis? Make and eat exothermic ice cream!</p>
	<p>Learn about Electronics while doing fun crafts. Add LED lights, Motors, Sound to your paper circuits ex Greeting Cards, Paper crafts, Origami projects. Explore the fun world of electronics! Our cool silly circuits with Lights, Sound and movement are bound to nurture the campers interest in Electronics!</p>
	<p>Kids learn to create their own games, fun stories &amp; animations with SCRATCH using “drag and drop programming”. Think creatively, reason systematically, &amp; work collaboratively. Color coded, intuitive drag &amp; drop block programming, as well as sounds, backdrop images and drawings are used.</p>
	<p>Learn about Electronics while doing fun crafts. Add LED lights, Motors, Sound to your paper circuits ex Greeting Cards, Paper crafts, Origami projects. Explore the fun world of electronics! Our cool silly circuits with Lights, Sound and movement are bound to nurture the campers interest in Electronics!</p>
	<p>A Robotics program with a SPACE theme! Think STAR WARS™ and Lunar Landers &amp; Mars Rovers! Have a blast using motors, gears, pulleys &amp; motion sensors to create fun space themed builds! Campers will learn about simple machines like gears to create motion! Problem solving &amp; logical thinking with block coding!</p>

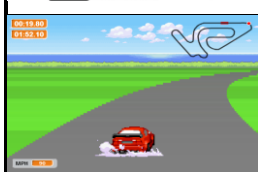
## PROGRAM DESCRIPTIONS for GRADE 3-5 (Ages 9-11)



Practical Chemistry is lots of fun! Learn about the chemistry encountered every day in your house & at school. Experiment hands-on with real chemical reactions, test different liquids, salt, vinegar & learn about chemistry. Chromatography on T-shirts, electrolysis, exothermic ice cream, volcanic eruptions, color changing magic chemistry and much more!



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, tick and whirl.



Kids learn to create their own games & fun stories & animations with SCRATCH using "drag and drop programming". SCRATCH, by MIT, helps young kids to learn to think creatively, reason systematically, & work collaboratively. Color coded, intuitive drag & drop block programming, as well as sounds, backdrop images and drawings are used. Get them to code!



Learn about motion, acceleration, friction. Design your own mousetrap car then race the furthest? How would you make it stop exactly at 10 meters? Design a working Solar car & try racing outside. Learn the art and the science behind air and CO2 powered dragsters. Fun hands on way of learning & getting interested in Physics!



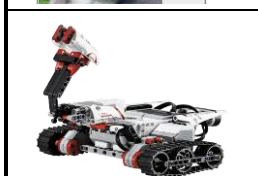
Campers learn Robotics, utilizing sensors, gear trains, engineering design, logical thinking & coding, testing and performance, strategy building. This Robotics class is an excellent way to motivate children to get deeper into Robotics while also getting direct goals based outcomes that they can have fun and engagement with.



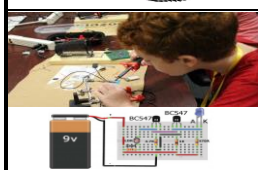
Learn about color spectrum, optical illusions & the human vision. Build spin art machines, drawing robots, kinetoscopes (moving pictures). Each day is a completely new fun Robot building and block coding challenge with art or music in mind. Learn about light, color, touch sensors and controlling your robots while building fun robots!



Python is a powerful, expressive programming language that's easy to learn and fun to use. Python Art brings kids into the world of programming. Turtle graphics and tKinter allow students to enjoy making fun graphics, music, game & animation while learning Python language basics. A fun introduction to coding!



Learn about robotic locomotion and balancing. Build mechanical versions of your favorite animals like a three legged spider robot or a slithering snake like motion. Understand the mechanics required to make efficient multi-pod movements while learning EV3 Mindstorms coding! Campers will heavily utilize different kinds of sensors as well as remote control!



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, tick and whirl.



You see stop motion animation all the time on TV, movies — even if you don't realize it. 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!