

SUMMER CAMP 2019 at High School, Stamford, CT, 06902

Questions? Call: (203) 343 0880 or Email: stamford@steamworksstudio.com



KG - Grade 2					Grade 3 - Grade 5				

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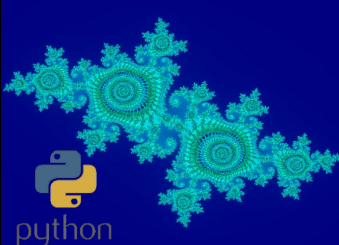
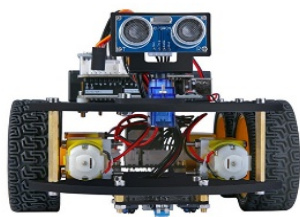


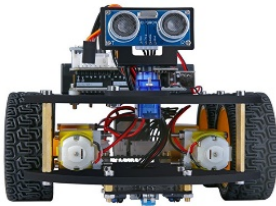

KG - Grade 2				

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Grade 6 - Grade 8				
9AM-12PM	June 17th - 21st	June 24th - 28th	July 1st - 3rd	July 8th - Jul 12th
	Java Bootcamp (Coding)	3D Printing & Digital Fabrication	Coding with Python (Coding)	Arduino Smart Car (Engineering)
	A Jumpstart to Coding! Begin with a quick programming orientation using the Eclipse environment. Campers will learn to program using best practices and understand what makes JAVA unique and so powerful. JVM, Objects & Classes, Data Types, Arrays, Decision Structures, File I/O & Graphics are introduced!	CAD and 3D Printing introduces students to basic 3-D modeling. Primitive shapes, measurement, hollow objects & assemblies. Students learn the tools needed to design exciting projects. Students keep the 3-D printed models that they make! Save all your work and continue learning more!	Python is a powerful, expressive programming language that's easy to learn and fun to use. We build cool Graphics & Games during the course. We use IDLE as a development tool as well as common Libraries that help with Graphics and Game building like tkinter and pygame to explore the power of Python language!	Learn the fundamentals of electrical engineering 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 app on phone.
	HOT LUNCH (\$60/Week)			
1PM-4PM	Electronics w Soldering	Coding for the Web (Coding)	Java Fundamentals (Coding)	Android Mobile Apps (Coding)
	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, a 555 IC tone generator.	Learn Database (MySQL) and the full Web stack for creating useful data driven Web Sites. Learn HTML5, Javascript, CSS, MySQL with step by step easy to understand examples. You will create multiple end-to-end applications that will make you a confident Web Site developer for school or advanced home projects!	A Jumpstart to Coding! Begin with a quick programming orientation using the Eclipse environment. Campers will learn to program using best practices and understand what makes JAVA unique and so powerful. JVM, Objects & Classes, Data Types, Arrays, Decision Structures, File I/O & Graphics are introduced!	This Camp will teach you the basics of how to build an Android app using the Android Studio environment. Android Studio is an easy to use (and free) development environment to learn on. It's best if one has a working knowledge of the Java programming language for this tutorial because it is the language used by Android.

Grade 6 - Grade 8			
Jul 15th - 19th	Jul 22nd - 26th	Jul 29th - Aug 2nd	Aug 5th - Aug 9th
Java Bootcamp (Coding)	3D Printing & Digital Fabrication	Coding with Python (Coding)	Arduino Smart Car (Engineering)
			
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!	CAD and 3D Printing introduces students to basic 3-D modeling. Primitive shapes, measurement, hollow objects & assemblies. Students learn the tools needed to design exciting projects. Students keep the 3-D printed models that they make! Save all your work and continue learning more!	Python is a powerful, expressive programming language that's easy to learn and fun to use. We build cool Graphics & Games during the course. We use IDLE as a development tool as well as common Libraries that help with Graphics and Game building like tkinter and pygame to explore the power of Python language!	Learn the fundamentals of electrical engineering 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 app on phone.
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Electronics w Soldering	Coding for the Web (Coding)	Arduino Smart Car (Engineering)	Android Mobile Apps (Coding)
			
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CAMP FEE: One Week Full day Summer Camp (\$549/Week), 8:00-9:00 AM Early Dropoff (\$75/Week), 4:00-6:00 PM Late Pickup (\$100/Week), HOT LUNCH (\$60/Week)