



Make.. Create.. Innovate..

1(844) 265 9880

Youth Center - 350 Dunhams Corner Rd, East Brunswick, NJ, 08816
 brunswick@steamworksstudio.com
 steamworksstudio.com/brunswick

UNLOCK YOUR CHILD'S UNLIMITED POTENTIAL!

Venue: At Youth Center - 350 Dunhams Corner Rd, East Brunswick, NJ, 08816

Offered via the **East Brunswick Recreation Department!**

EAST BRUNSWICK, NJ - SUMMER SCHEDULE - Starts **05-04-2019**

Grade	Program Name	Saturday	Sunday
K to 2	NANO BOTS (ROBOTICS) - Level I	10:00a-11:30a	1:30p-3:00p
K to 2	MINECRAFT Animation (CODING) - Level I	11:45a-1:15p	10:00a-11:30a
K to 2	Silly Circuits (ELECTRONICS)- Level I	1:30p-3:00p	11:45a-1:15p
3 to 5	EV3 Mindstorms (ROBOTICS) - Level I	10:00a-11:30a	11:45a-1:15p
3 to 5	3D Printing & CAD - Simple Things!	11:45a-1:15p	10:00a-11:30a
3 to 5	Python ART (Coding)	1:30p-3:00p	11:45a-1:15p
6 to 8	Python Fundamentals (Coding) - Level I	11:45a-1:15p	
6 to 8	JAVA Fundamentals (Coding) - Level I	10:00a-11:30a	1:30p-3:00p
7+	VEX Robotics (ROBOTICS) - Level I	1:30p-3:00p	
7+	DIY Electronics & Soldering		1:30-3:00p

Each class is 1.5 hours. 6 classes (1.5 months) for completing a Level. Fee \$200.

Register here: <http://tinyurl.com/steam-eastbrunswick>


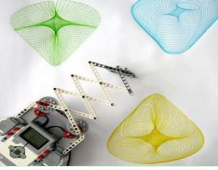

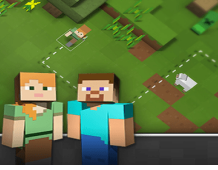




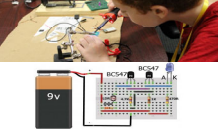
www.steamworksstudio.com

Take a picture of the QR code
using your phone to register!



WHAT WILL A STUDENT LEARN?



ROBOTICS	Grade K-2	NANOBOTS Robotics (10:00 - 11:30 AM Sat) (1:30 - 3:00 PM Sun)		A Robotics program with a Jungle book theme! Think Mowgli™ and his animal friends! Monkey around using motors, gears, pulleys, Motion & Tilt sensors to create fun Jungle themed missions! Students will learn about simple machines like gears to create motion. Students learn problem solving & logical thinking with block coding!
	Grade 3-5	EV3 Mindstorms Robotics (10:00 - 11:30 AM Sat) (1:30 - 3:00 PM Sun)		Students 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.
	Grade 6-8	VEX Robotics (1:30 - 3:00 PM Sat)		Build a fully autonomous robot using the included programmable VEX ARM® Cortex® based Microcontroller & various sensor types. Students learn programming skills such as Robot-C, Robot Design and engineering process. Students can get ready and join teams to participate in VEX competitions organized widely across the nation
CODING	Grade K-2	Minecraft Animation Coding (11:45 - 1:15 PM Sat) (10:00 - 11:30 AM Sun)		Obsessed with Minecraft? Join Minecraft coding classes to create your own games & animations! Learn to code using SCRATCH's easy "drag and drop programming". All projects are made with Minecraft as the theme for the session. Coding helps young kids learn to think creatively, reason systematically, & work collaboratively.
	Grade 6-8	Java Fundamentals Coding (10:00 - 11:30 AM Sat) (1:30 - 3:00 PM Sun)		A Jumpstart to Coding! Begin with a quick programming orientation using the Eclipse environment. Students 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!
	Grade 6-8	Python Fundamentals Coding (11:45 - 1:15 PM Sat)		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!
TECHNOLOGY/MAKERCRAFT	Grade 3-5	CAD & 3D Printing (11:45 - 1:15 PM Sat) (10:00 - 11:30 PM Sun)		CAD & 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!
	Grade K-2	Silly Circuits (Electronics) (1:30 - 3:00 PM Sat) (11:45 - 1:15 PM Sun)		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 interest in Electronics!
	Grade 6-8	DIY Electronics & Soldering (1:30 - 3:00 PM Sun)		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 based tone generator.



1. STEAM PROGRAM starts from **05/04/2019** - TOTAL of 6 Sessions to complete a level
2. Will be immediately followed up by LEVEL 2 programs for each of the above
3. Email us at brunswick@steamworksstudio.com
4. Phone: 1 (844) 265 9880
5. Website: www.steamworksstudio.com/brunswick

CLICK HERE
TO REGISTER