

# Engineering For Kids

With Wyandotte Parks and Recreation

## **MinecraftEDU: Traveling into the Future & Design the Future Engineering** ages 7-11, 9-3:30pm, 8/15, \$65

*This camp will immerse students in the expansive world of Minecraft, and will challenge student's ingenuity and problem solving skills as they navigate through several engineering challenges. Students will learn how to use teamwork and manage resources like an engineer in the real world. In the afternoon, students will be challenged to create various structures using everyday materials that can withstand a windstorm on the mars or flooding in the middle of the ocean as well as a geodome that can withstand weight and other environmental forces.*

## **MinecraftEDU: Redstone & Electrical Engineering** ages 7-11, 9-3:30pm, 8/16, \$65

*One of the more complicated aspects of MinecraftEDU is Redstone, which is MinecraftEDU's version of electrical circuitry. This program will introduce students to the many uses of Redstone through a Medieval themed adventure of creation, exploration, and castle besieging with students making mine cart tracks to help them gather resources, working together to build their kingdom, and designing traps to defend their castle, all with the use of Redstone. In the afternoon, students will be challenged to continue their circuit training by creating working flashlights as well as use littleBits to create an electric car.*

## **LEGO® Robotic Olympics & Engineering Olympiad** ages 7-11, 9-3:30pm, 8/17, \$65

*During the Robotics Olympics classes, students design and program robots to compete in simulated Olympic events such as a sprinting in a race, throwing a basketball, and shooting a puck into a hockey goal. Students use LEGO® Robotics and computers to learn principles of robotics, computer programming, and teamwork. Students will also be challenged to create the fastest dragster car and best golf course with the use of littleBits.*

## **Junior Robotics: Adventure Stories** ages 4-6, 9am-12pm, TWO DAYS: 8/22-8-23, \$65

*This class is a perfect mixture of fun and learning while using LEGO® bricks, students build an airplane for rescue, and a sailboat to escape a storm, and more. They also learn how to program and operate their creations using a laptop computer.*



Build



Discover



Explore



Engage

[EngineeringForKids.com/DearbornDownriver](http://EngineeringForKids.com/DearbornDownriver)

**Register by visiting Wyandotte P&R at Yack Arena or calling 734-324-7295**

All the camps listed below are located in the warming room at Yack Arena. Supply costs are included, campers receive 2016 summer camp shirt as well as exclusive Engineering For Kids Dearborn-Downriver trading cards!