# Exciting Robotics Club



**Imagine That!** and **FUTURE TECH**

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| **Dates: 9/5/18– 11/28/18**<br>No Class Day: 11/21 | **Fee (Early/Regular)**<br>**Early registration by: 8/17**<br>**$342/$362** | **Time:**<br>**3:45-5:15** |

## Robotics Club:  Minecraft and EV3 Robots

## Midtown International: Wednesdays Grades 5-7

Amazing Program for our Minecraft and Robotics enthusiast!   Our hour and a half program allows students to really explore building and programming. Maximum number of student is 10.

**Register Now**
**Split Payment Available**

**Imagine That! and Future Tech**

www.ImagineThatFun.com
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# Robotics Club Class Details

Robotics Club Grades 5-7 Minecraft and EV3s
Read full details here.

**Learn Programming With MineCraft and ComputerCraft!**



In this class, students will learn programming skills using ComputerCraft in which you can add little robots and computers to the world of Mine-Craft.  These can be programmed using the LUA scripting language. Students will learn about variables, functions, conditional statements, loops, and more, as well as improving their typing skills in a fun, familiar environment where the results of their work are immediately visible and very rewarding.  Students will conceptualize, write, and debug their very own program using new skills that remain useful outside of the MineCraft environment. The LUA language is a fully featured and freely available programming language that can be used to write applications and games, and is a perfect springboard for learning more complex languages like Java, C++, and others.

**LEGO® MINDSTORMS® EV3**



For our older students, we offer 3 Robots for Fall session!  LEGO MINDSTORMS EV3's will be offered so that students have a great time building and programming robots!  Using the Droidbot, students will program and add to the bot according to each challenge round. Challenges will test time, rotations, and degrees. Students will learn the difference between spin and pivot and learn to read port views to name a few.   Your student will gain serious, in depth smarts on how to shorten challenge times successfully in this session. At least 8-12 robot modifications and challenges should be completed! Class will also be offered in a way that preps any student who would like to pursue First Lego League.