



Exciting Robotics Club



Grades 4-5 8/24-10/12
Grades 2-4 10/26-12/14
No class days: 9/26, 10/19,11/23

Fee (Early/Regular)
Early registration by: 8/17
\$200/\$220

Time:
4:15-5:45

Robotics Club: *New this year! Minecraft!*

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

Kennesaw Charter: Fridays

Grades 4-5 [Minecrafting Programming and Logic](#)
Grades 2-4 [Minecrafting Circuits and Cities](#)

Register Now
Split Payment Available

Imagine That! and Future Tech
www.ImagineThatFun.com
Fun@ImagineThatFun.com

Robotics Club Class Details

Robotics Club Grades 2-4 Minecrafting Circuit and Cities



We will introduce Redstone in Minecraft. Redstone can be used to:
Make simple circuits, such as automatic doors and light switches.
Construct complex devices such as:

- Trap Doors
- Roller coasters
- Automatic farms

Students will learn about switches, the binary numeral system, the difference between series and parallel circuits, make upstairs/downstairs circuits and more, all while using problem solving skills and group cooperation.

On the last day, students will use their new knowledge of binary and logic gates to create their own basic but functional calculators in Minecraft!

Students will also direct their enthusiasm for playing Minecraft into learning about and practicing city planning!

We will work as a community to choose the land we develop, build homes, streets, lamps and find/create stable sources of food and income.

Students will learn about trading, civil responsibility and duties, agricultural planning and architecture while playing their favorite game with children who share the same passion.

Robotics Club Grades 4-6 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 MineCraft.



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.