

Exciting Robotics Club



Dates:

Wednesday 1/30-5/1

Friday 2/1-5/3

Fee (Early/Regular)

Early registration by: 1/11

\$324/\$344

Time:

Wednesday: 4:00-5:30

Friday: 3:00-4:30

Robotics Club: Holy Spirit 12 week sessions

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.

Grades 2-3 Wednesday Minecrafting and NXT Robotics

No Class Days: March 6, April 17

Grades 4-6 Friday Minecraft Programming and EV3 Robotics

No Class Days: March 1, March 8, April 19

[Register Now](#)

Split Payment Available

Imagine That! and Future Tech

www.ImagineThatFun.com

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Robotics Club Class Details

Robotics Club Grades 2-3 Minecrafting Circuit and Cities and NXT Robots

Read full details [ONLINE](#).

Minecraft: 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 coaster and 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!

Robotics: Lego® MINDSTORMS® NXT's will be offered so that students have a great time building and programming just for the love of it! Students will explore the Universe beginning with the Mars Rover this session! Come with us as we discover the red planet with programming challenges to complete! As any good scientist knows we can modify our Rover to expand capabilities and meet the challenges the tasks demand. Will your student rise to the programming tasks ahead of them?

Robotics Club Grades 4-6 Minecraft Programming and EV3 Robots

Read full details [ONLINE](#). New Programs for Spring!

Learn Programming With MineCraft and ComputerCraft! New Activities this Spring!

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.

LEGO® MINDSTORMS® EV3

For our older students our LEGO MINDSTORMS EV3's will be offered so that students have a great time building and programming robots! Your student will have an exciting adventure this session as they take off for the stars with the EV3 Enterprise! Students will be challenged with programming tasks to complete the mission to find a world to explore. Once they find a new planet, the EV3 Endeavor will be launched to travel the planets' surface. Experiments will be tasked to explore through programming challenges. Is your student up to the journey? Come and join the "out of this world" fun!