



## ROBOTICS, TECHNOLOGY, STOP MOTION AND CODING

**Dates: 1/22/-5/7**

No Class Days: 2/19 & 4/2

**Fee (Early/Regular)**

**\$322/\$342**

**Time:**

**2:30-3:45**

**Your child's adventure into Robotics, Coding, Stop Motion and Technology.**

**Nicholson: Tuesday**

Grades K-2 [Robo Rangers: An Adventure into Coding, Stop Motion, Robotics and Machines](#)

Grades 2-5 [Robo Tech: An Adventure into Coding, Stop Motion, Robotics and Technology](#)

***Register Now!***

**Early registration ends : 1/11**

**Split Payment Available**

**Imagine That! and Future Tech**

[www.ImagineThatFun.com](http://www.ImagineThatFun.com)

[Fun@ImagineThatFun.com](mailto:Fun@ImagineThatFun.com)

770-455-1980

# Technology Class Details



## Grades K-2 [Robo Rangers: An Adventure into Coding, Stop Motion, Robotics and Machines](#)

*View Details Online.*

**Coding: New! Ozobots!** How great would it be if you had been able to start writing code at an early age? With Ozobots, Box Island and Hour of Code, students will learn algorithms, loops, sequences and conditionals on their way to learning to write code on their own.

**Robotics: Boost Robots:** We will be introducing our newest Robot during our class! Our students will build and learn to program as they go.

**Programming:** Fall brings new Adventure Bots for kids at Imagine That! with **Lego® WeDo Construction** sets! Students will be excited to build and program Dancing Birds that sing and spin and a Spinning Top

that Spins and Whirls! More builds will be offered as time permits!

**Machines:** With Lego Technic bricks our students will learn about simple machines; build different concepts, and learn that there are different types of simple machines.

**Stop Motion Video:** Then we are on to an introduction to Stop Motion Videos where students will create their own stop motion film.



## Grades 2-5 [Robo Tech: An Adventure into Coding, Stop Motion, Robotics and Technology](#)

*View Details Online. Child must be 8 or up for this program*

**Stop Motion Video:** Students will create their own stop motion short using Sequential Reasoning capabilities and thought processes to create their video.

**Coding:** Students will learn LUA, a Coding Language using CodeCombat. Writing Basic Syntax first, students move to higher levels using loops, algorithms, and conditionals battling their way to victory with each correct coding sentence.

**Robotics:** The Express bot will be built and programmed using Lego® MINDSTORMS® NXT's! With additions we will make an Ultrasonic ball Kicker and the Pivoting Head Explorer!

**Gaming: New!** Let's create our own game using Roblox Studio! Students will create and play their game as they learn all about directionals, anchors and how to make a game that others will be challenged by. Each week we will progress until all students test each other's game.

**Machines:** With Lego® Simple and Powered Mechanisms our students will become scientists and engineers while understanding mechanical and structural principles in machines used in everyday life.