



## ROBOTICS, TECHNOLOGY, STOP MOTION AND CODING

### Dates:

- Tues 8/28-12/11
- Wed 8/29-12/12

### Fee (Early/Regular)

Early registration by: 8/17  
Tues: \$266/\$286  
Wed: \$285/\$305

### Time:

2:30-3:30

Your child's adventure into Robotics, Coding, Stop Motion and Technology. **Click name of program below** for full details.

### Lake Windward:

#### Tuesday:

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

- No class days: 10/9 & 11/20

#### Wednesday:

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

- No class days: 11/21

**[Register Now](#)**

***Split payment option available***

**Imagine That! and Future Tech**

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

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# Technology Class Details



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

*Click the name of class to read full details. Must be Age 8 or up.*

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

**Coding: New!** 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: New!** The Express bot will be built and programmed using Lego® MINDSTORMS® NXT's! With additions we will make a remote

-controlled Forklift and then will play a game of Tag Bot.

**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.



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

*Click the name of class to read full details.*

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

**Robotics: NEW! 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! Exploring nature (and imagination) as they build, kids will Ride the rapids in the Canoe,

Bungee Jump from the highest heights and learn to ski behind the Ski Boat.

**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.