ROBOTICS, TECHNOLOGY, STOP MOTION AND CODING

Dates: 1/15 - 5/6
No Class Days: 2/19, 3/11, 4/8

Fee (Early/Regular)
Early registration by: 1/3
$350 / $370

Time:
2:30-3:45

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

Addison Elementary: Wednesdays

Grades 2-5: RoboTech: An Adventure into Coding, Stop Motion, Robotics and Machines

Grades K-2: Robo Rangers: An Adventure into Coding, Stop Motion, Robotics and Machines

Register Now
Split Payment Available

Imagine That! and Future Tech
www.ImagineThatFun.com
Fun@ImagineThatFun.com
770-455-1980

Robotics and Tech Class Details

Please Note: Due to the large number of subjects included, the following subjects will be covered over the course of the year. **Each semester will teach different subjects so more time will be available to learn the concepts being taught**.

Grades 2-5:   RoboTech: An Adventure into Coding, Stop Motion, Robotics and Machines

Robotics: Brand New Builds with Lego ® MINDSTORMS EV3's. Build and program robots!

Augmented Reality (AR): New! Join the fun as we explore Augmented Reality apps, how they work, the different uses for AR in real world settings.

Pivot Animator: New! A user-friendly platform creating 2D stick-man animations. The animation is made frame by frame. Your student's animation can be exported to several formats to use as a GIF or on YouTube!

 Makerspace: New! This is a place that students can meet to create and engineer items that might solve a problem.   Possible projects are Digital Accessories, Mechanical Toys, a Wearable, a Carnival Ride and so much more. Let's see what the kids design and

Claymation Stop Motion: We will also reinforce frame by frame videos with Claymation/Lego Stop Motion! Students create their own stop motion film laying out a plan that starts with a storyline, character development staging and more.

Gaming: Let's create our own game using the safe 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.

Computer Coding: Blockly Games is our newest addition, using fun games to learn coding language. Older students will be challenged with games using parameters, angles, degrees and music notes to name a few, while showing how to write the commands in both Blockly and Javascript

 Computer Science: New! We find that kids are smarter and faster with technology these days but many don't know the basics of the computer itself.   We will teach them!

Geometry Dash: New! A kid favorite on tablets, Geometry Dash and Geometry Dash Sub Zero will be offered to our students this session. Will your student be the hero that jumps over and off geometric shaped traps to get to the finish line!

Grades K-2   Robo Rangers: An Adventure into Coding, Stop Motion, Robotics and Machines

Boost: **Fantastic Creations** for younger robotics kids. Build and program robots!

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Ozobots: Ozobots will go on adventures of their own this year! These are tiny little robots that can be programmed using color codes. Students start by drawing the codes to go from home to school, or the store, or the playground.

Machines: Students will build pulley systems with **Lego ® Simple and Motorized Machines.** We explore how pulleys work building the different stages of pulleys with a Crane and a Conveyor Belt. Both can be motorized with your students engineering skills.

With **Lego ® WeDo Construction** set we offer brand New WeDo builds! Your student will think it's a night at the Fair, with rides and games to play. We'll play Hot Shots; students attempt to score in a spinning basketball hoop and more!

Computer Coding: We will explore Blockly Games, Code Karts, and Bit By Bit. Wait until you see what they create!