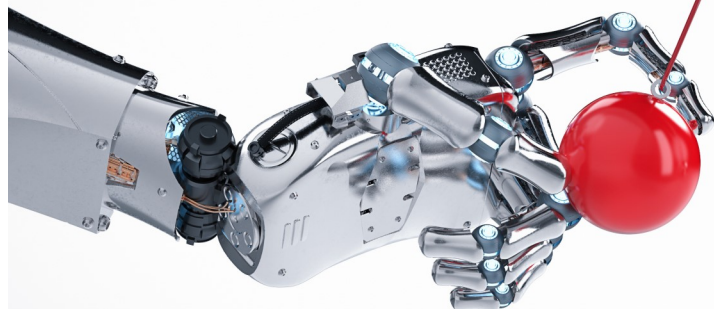


# Science, Technology, Robotics and Programming



**Dates: 1/24-5/9**

**No Class Days: 4/4**

**Fee (Early/Regular)**

**\$330/\$350**

**Time:**

**2:30-3:45**

**Findley Oaks: Thursday**    **Class times are now longer**

**Amazing STEM Classes for your child. Details on back.**

Grades K-2: TechnoScience:    [Technically Magic](#)

Grades 2-5 Technology Only:    [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**

# Class Details

## STEM AT ITS BEST



### Grades K-2: Technically Magic A fun combination of Science and Technology

**Science:** Dr. Lipid is back and boy is he mad! Our arch enemy is up to no good and we must stop him! Mystery and Magic are yours as the **O.X.Y.S.** (Only Excellent Youth Scientists) match their wits against Dr. Lipid, Head of the Organization of **M.O.R.O.N.S.** (Magical Ogres Reshaping Our Natural Systems). Wait until you see the exciting science principles that your child will learn. Children will use these principles to work their way through a maze and out of the Castle of Dr. Lipid! We will use many mysteries to escape from the castles rooms:

- ◇ Vacuum that draw eggs into a bottle
- ◇ Pass strings through our necks
- ◇ Magically change a liquid's color with Acids and Bases
- ◇ Make a can come when called
- ◇ See boxes defy gravity
- ◇ Use flame tests to analyze chemicals and make magic mud
- ◇ Crush a can with atmospheric pressure

### **Technology:** An Adventure Into Programming, Robotics & Simple Machines

Learn **coding** with Box Island and Hour of Code. Build and program **robots** with Boost and WeDo robots! As time permits for longer sessions we will also build motorized machines!

### 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.