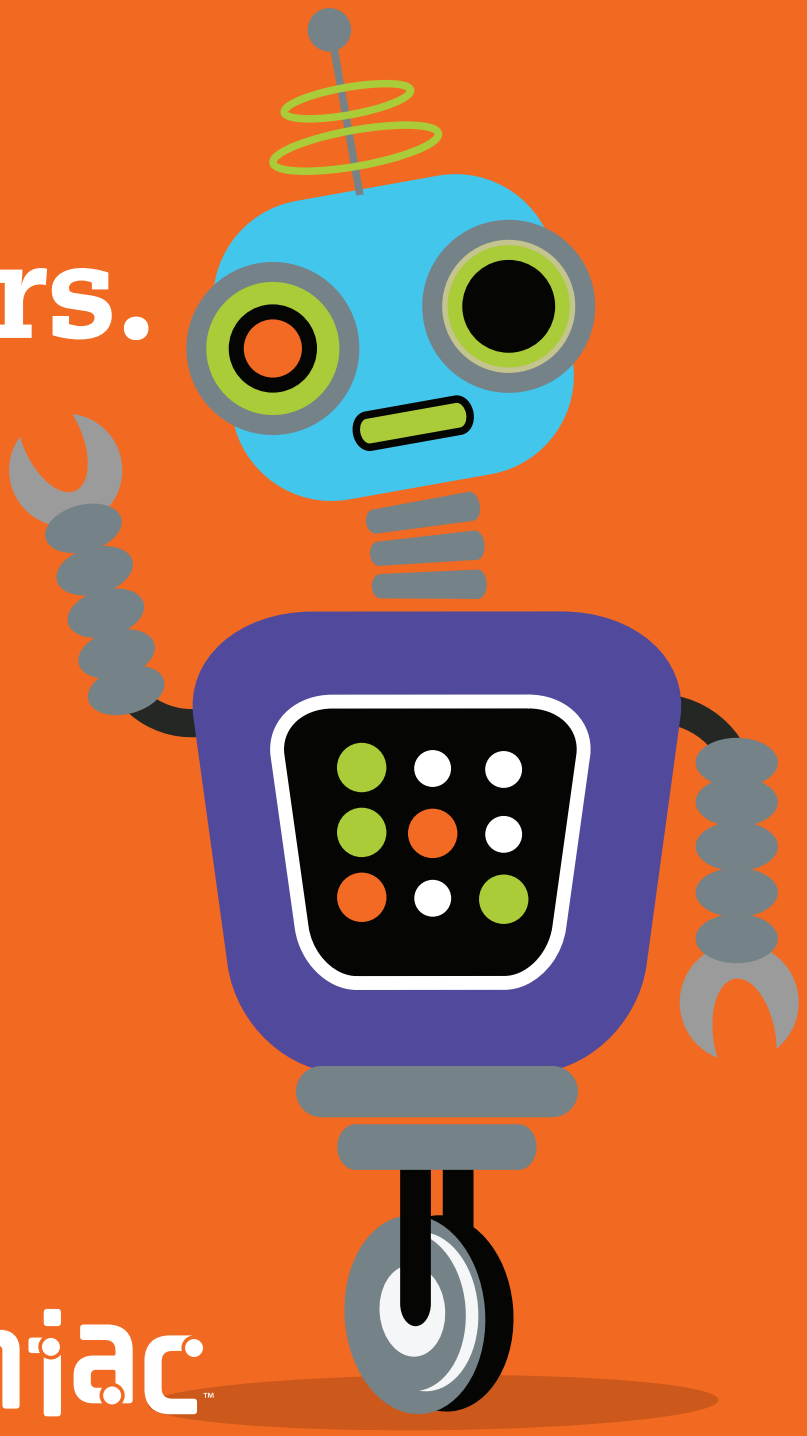
# Calling all Coders, Explorers, Engineers & Designers.



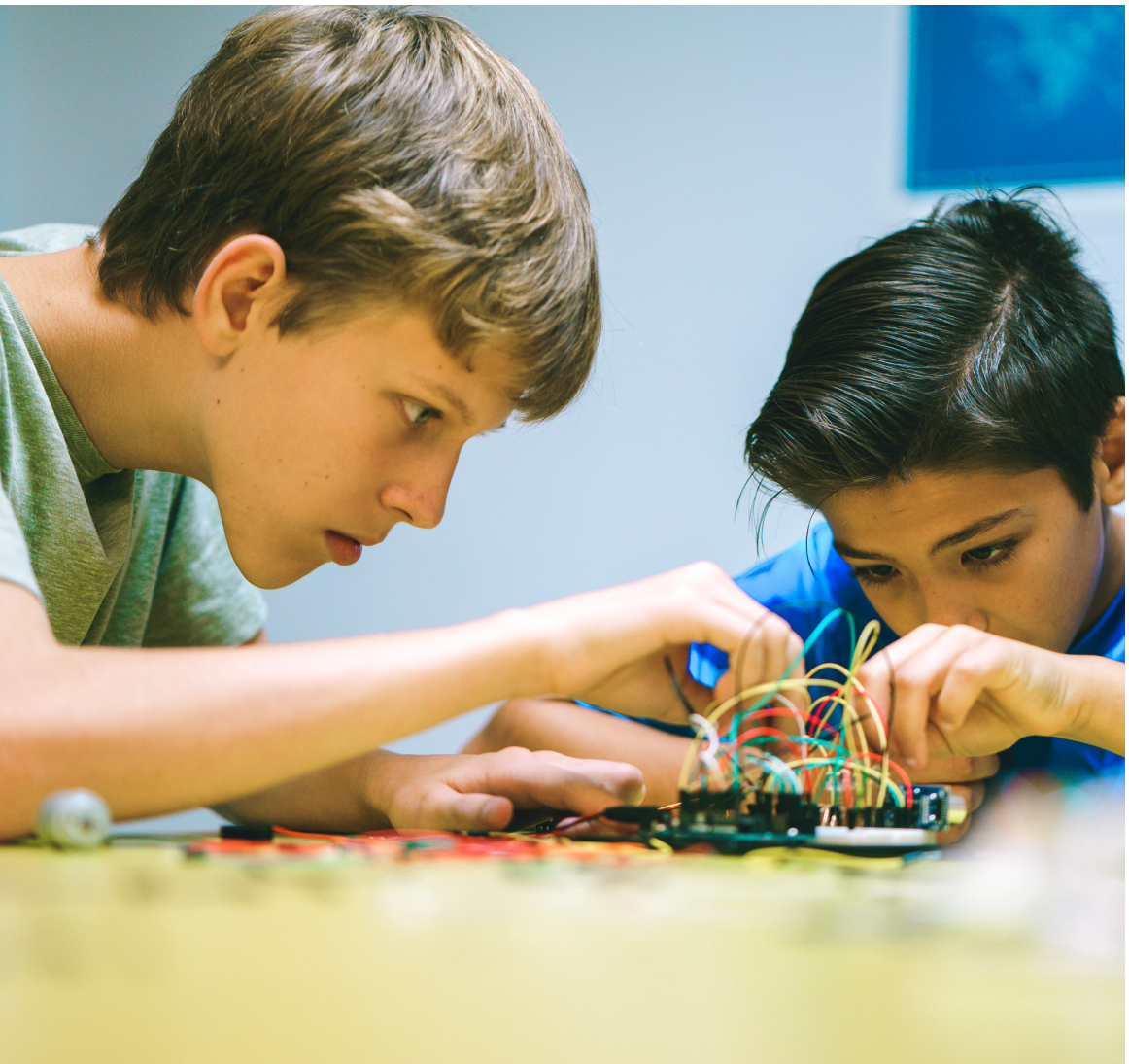
Zaniac™

## Summer Camps

**May 29th – August 24th**

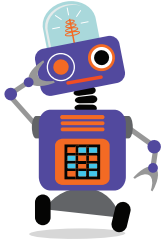
zaniac™
K-8 STEAM After-School Programs & Camps

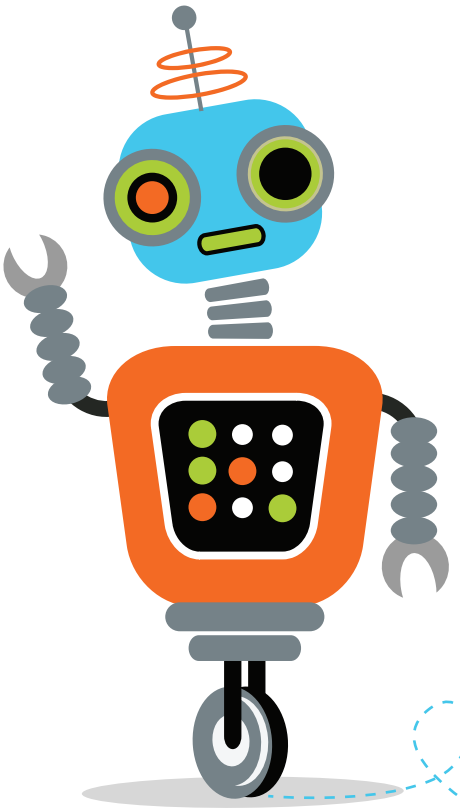
# It's called summer camp, but it's really a boot camp for the brain.



**Zaniac's 2018 Summer Labs** are full of surprises and are ideal for children of all mastery levels. This summer we have designed our camps as Labs; for children to research, explore, experiment, problem solve and create. They have also been designed to fit varied students' skill and experience levels, in order for everyone to learn, advance and be challenged. Our 2018 Summer Labs for Apprentice students are for those who have none or little experience in STEAM, and our Master Labs are for students who have intermediate or advance experience in STEAM.

**Go on a Science, Technology, Engineering, Art & Math Adventure with us and explore our NEW Summer Labs!**





## Camp Dates
**May 29th – August 24th**

## About our Labs

**Coders** go from beginner to expert programmers with our progression of coding Labs.

**Explorers** make new discoveries in the Game-Based Learning Minecraft; Biosphere Explorers, Space Adventurers, Urban Adventurer, FIFA World Cup Geo, City Rescue Squad, Redstone, Newton's World Labs.

**Engineers** engage in Ignite, Battle, Olympic, Marine, Green and Bio Bots Labs, and continue exploring space with Drones and Aeronautical Labs and electricity with Circuits and Tinker & Code.

**Designers** get challenged with Music, Costume Design, 3D Game Design, 3D Maker, and 3D Engineering Design Labs.

- Minecraft
- Battle Bots
- Marine Bots
- Bio Bots
- Drones
- Costume Design
- 3D Maker
- 3D Engineering
- Coding

### ● Grades K-2

Popular Camps for this age group include Robotics Apprentice Lab, Minecraft Apprentice Lab, Circuits Lab, Mechanics in Motion Lab, STEAM Quest Lab, Math, Reading and Coding Apprentice Lab.

### ▲ Grades 3-4

Popular Camps include Robotics Apprentice and Master Lab, Minecraft Apprentice and Master Lab, Circuits Lab, Mechanics in Motion Lab, Costume Design, Coding Apprentice Lab, App Creation, Web Maker Apprentice, 3D Maker Lab, Music Lab, Drones, Math, Reading and STEAM Quest Lab

### ■ Grades 5-8

Popular Camps include all levels of the Minecraft, Robotics and Coding Labs, Music Lab, Drones, Aeronautical Lab, Tinker and Code, Math and 3D Game Design.

**Program Selection:**
- Half-Day Campers choose 1 program in your selected session (am or pm)
- Full-Day Campers choose 1 morning and 1 afternoon program

### Camp Details

**Full-Day Weekly Camps**
Hours: 9 am - 4 pm
Lunch and snacks provided
Tuition per Student **$599**
(May 29th and July 4th weeks **$479**)

**Half-Day Weekly Camps**
Hours: 9 am - 12 pm or 1 pm – 4pm
Snacks provided
Tuition per Student **$329**
(May 29th and July 4th weeks **$263**)

**Full-Day Single Day Camp**
Hours: 9 am - 4 pm **$119**
Lunch and snacks provided

**Half-Day Single Day Camp**
Hours: 9 am - 12 pm or 1 pm – 4pm **$85**
Snacks provided

**Extended Hours Available**
**Early Drop off:** 8 am or 12 pm
**Late Pick up:** 1 pm or 5 pm

## Campus Information

### Zaniac South Miami

8322 S. Dixie Hwy
(Dadeland Station)
Miami, Fl. 33143
305.668.0605
southmami@zaniaclearning.com
www.zaniaclearning.com/southmiami

### Summer Hours

May 29 – August 24
Mon – Fri: 8 am – 5 pm
Saturday and Sunday open for Birthday parties

# Camp Program Description and Details:

## Zane Math
Grades K-2, 3-4 and 5-8.
Our fun-filled approach to math keeps you eager to come to camp every day! We customize a math program based on your child's individual Math Assessment.

## Zane Reading
Grades 1-4
This Summer your child can enjoy a motivating rewards-based approach to reading science-based nonfiction & earn tokens to watch cool science videos & read science-magazines! Our reading camp uses an award-winning program from Readorium that will increase vocabulary knowledge and reading comprehension skills, improve strategic-thinking & study skills while developing a love for books!

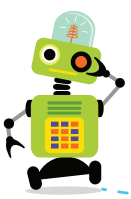
## Game-Based Learning: Minecraft Apprentice Lab

## Minecraft™ Biosphere Explorers Lab
Grades K-4.
Calling all apprentice Minecraft players! Campers will learn and sharpen their Minecraft computer skills all while learning the science behind the Biosphere. They will learn about biodiversity by exploring different biomes, understand the importance of sustainability, resource management and much more.

## Minecraft™ Space Adventurers Lab
Grades 1-5
Commercial Space Travel may be just be around the corner for this Zaniac generation. Campers are introduced to the International Space Station and space exploration through Galacticraft. Campers learn to build, prepare and launch a rocket. Stops at the Moon and Mars are part of our trip. And given our environmental consciousness, we throw in an extra challenge: Zaniac's Space Junk Clean Up!

## Minecraft™ FIFA World Cup Geo Lab
Grades 1-5
What better way than to learn about geography through sports and Minecraft™? Campers will study and explore the diversity of the world's different biomes. They will learn about map making and will be challenged to design soccer stadiums across their biomes equipped with connecting rail systems, water supply, athletes' villages all while utilizing crafting and building skills.

## Minecraft™ Urban Adventurers Lab
Grades 1 - 5
Zaniac's Minecraft™ Urban Adventurers Lab is designed to groom an environmentally conscious generation of planners through the basics of urban planning, architecture and building design. Campers learn about rapid urban growth, electric sustainability, scarcity of water, and the need to bridge supplies to cities. Campers learn to design and build while bringing their miniature ecofriendly community together.

## Game-Based Learning: Minecraft Masters Lab

### Minecraft™ City Rescue Squad

Grades 2 - 6

In Zaniac's Minecraft City Rescue Squad campers identify problems the planet is frequently facing: fires, earthquakes, hurricanes, water shortages, flooding and rising water levels. Campers are challenged to build cities that can withstand these challenges and keep populations safe while learning urban planning and building design using Minecraft™ and Tinkercad™ to create planet friendly solutions.

### Minecraft™ Newton's World Lab

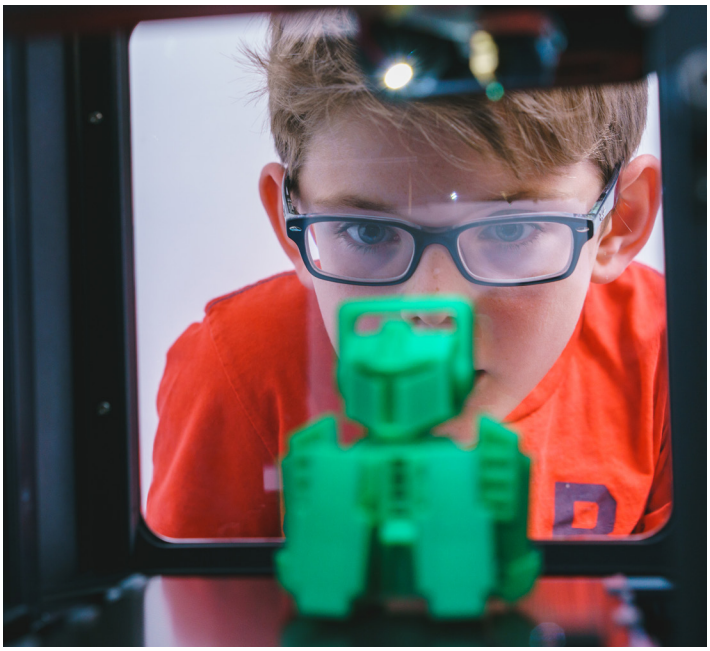
Grades 4-8

Zaniac's Newton's World Lab includes challenges with Liquid Physics, Electricity and Pistons, Electromagnetism, Newton's laws and more. Each problem that campers encounter has a solution, but it takes a bit of problem solving to find it! Students learn to devise a solid method to problem solve: Plan, Construct, Test, and Refine with a whole lot of fun added to it.

### Minecraft Redstone Lab

Grades 4-8

Game-Based Learning using Minecraft™ Redstone is the circuit equivalent in Minecraft™ that allows campers to use electrical engineering concepts to create machines such as a clock or a calculator. Using their creativity and critical-thinking skills, campers will help scientists solve electrical challenges throughout the virtual laboratory.



## Design Lab

### Music Lab

Grades 4-8

Music Lab with Garage Band™ celebrates music by teaching kids how to create exciting beats using Garage Band™. Music Lab is the perfect primer for beginners who want to learn the basics of one of the most popular and accessible DAW (Digital Audio Workstation) programs out there.

### 3D Maker Lab

Grades 3-8

What does it take to become an inventor? 3D Maker Lab will engage campers with online digital creations of 3D models and teach them how to design pieces for 3D Printing using Autodesk TinkerCad™. Students will be immersed in the engineering and design process, printing their own unique and exciting ideas and turning them into a reality.

### 3D Engineering Design Challenge

Grades 5-8

Campers will learn the Iterative Design Process as a critical component of Engineering, they will be given a real-world problem to solve through 3D Design and Printing. They will have to research, construct, design and print solutions that will creatively solve those challenges.

## 3D Game Design

Grades 5-8.

Looking for a camp that combines Design with Coding? Zaniac 3D Game Design camp teaches game design concepts such as formalism, abstractionism, rule implementation, challenge/reward balancing, game flow and paper prototyping. Campers create 3D character models using the modeling software Blender, and explore the history of video game design and how it relates to computer science as a field. Campers will use the Unity game engine to map 3D environments, apply attributes, then design textures in Gimp to overlay on your game world and will bring their environments and characters to life using C#, a real-world, object-oriented programming language and learn programming concepts like classes, methods, and strings to create C# Scripts.

## Costume Design Lab

Grades 2-5

In Costume Design students will create one of kind costumes for their favorite character or a character of their imagination using the open-source vector graphics software Inkscape. They will learn about character design, mood boards, vector drawing, arranging nodes, and layering color palettes to come up with their final design.

# Engineering: Robotics Apprentice Lab

## Mechanics in Motion Lab

Grades K-4

There is just enough hands-on building to keep the younger learners moving, but at the same time, we will be spending time figuring out how to get machines to make work easier for humans. Brings in the problem solving and critical thinking into equation. Students will learn the principles of Robotics with levers, inclined planes, pulleys, and screws and build motorized mechanisms in teams.

## Bots Ignite Lab

Grades K-4

Zaniac's Robotics Ignite LEGO® MINDSTORMS® Camp is designed for campers who are no strangers to LEGO®, but who are ready to immerse in the world of Robotics and learn how the basics of how to build and program robots. Mechanics in Motion is a pre-requisite for this lab.

## Battles Bots Lab

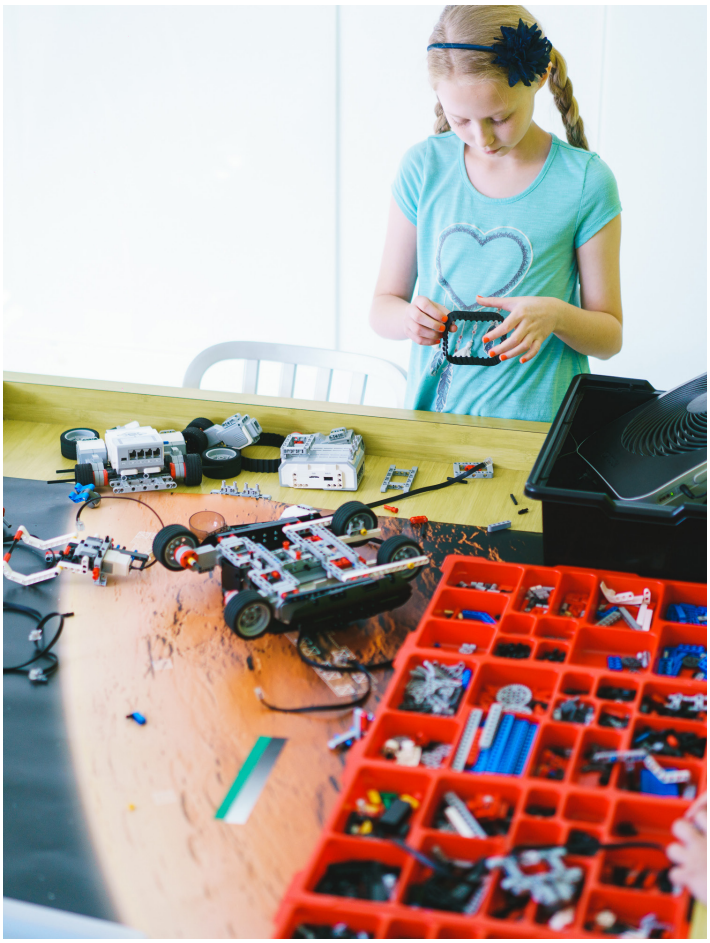
Grades K-5

Keeping it safe and keeping it fun, campers in Battle Bots Lab with LEGO® MINDSTORMS® will research, design and build futuristic cyborgs, ferocious dinosaurs, and fighting robots incorporating features like motion sensitivity, functional claws and wheels and legs that keep them on the move to participate in the ultimate battle.

## Olympic Bots Lab

Grades 1-5

Every summer at Zaniac we incorporate sports into our Robotics camps, this year we are doing one Lab full of robotic sport excitement! Each day campers will design and program robots to play a popular Olympic sport including soccer, basketball, volleyball, racing and off course we can't leave out the magical game of Quidditch! Campers will use creativity, design & problem-solving skills to build and program robots that can play and win in these sports.



## Engineering: Robotics Masters Lab

### Green Bots Lab
Grades 3-6

Green Bots LEGO® MINDSTORMS® is all about designing, building and programming environmentally friendly and earth-loving robots. Campers learn about renewable and non-renewable resources, carbon footprints, recycling, energy efficiency and water conservation, while gaining a deeper understanding of robotics.

### Marine Bots Lab
Grades 3-6

Water robotics is what this camp is all about! Students will design, build and program robots that will be submerged in a mini pool and solve challenges like swimming across the pool, rescuing objects from the bottom and much more.  Campers will learn principles of robotics, programming, and teamwork.

### Biology Bots Lab
Grades 3-6

Find out how robotics is changing biology. In Zaniac's Bio Bots LEGO® MINDSTORMS® Lab, campers will learn about different kinds of robots used in the field of medicine and how robots help doctors reduce human errors in surgery. Students will attempt to replicate their own Bio bots and perform a small surgery; they will also design miniature bones, organs and prosthetics and 3D print them.

## Engineering Lab

### Drones Lab: Engineering takes Flight
Grades 4-8

The intersection of engineering and computer science takes flight with Drones! In Engineering Takes Flight, campers learn about drones and will use creativity and critical-thinking skills to successfully engineer the design and code behind two drone models. Students will discuss nature's influence on the technology and the design of drones. Students explore physics and geometry to understand how the anatomy of a drone supports its course of flight and how to program their drone with block programming commands to pilot their drone's flight path. By combining these concepts, students will complete a variety of hands-on challenges and understand the real-world applications of drone technology.

### Aeronautical Lab
Grades 5-8

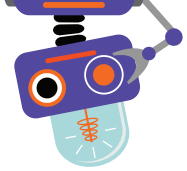
Campers will explore a whole new universe by creating and managing their own space program. They learn aerospace engineering, the physics of space travel, orbital mechanics and much more by designing, testing, and launching airplanes and rockets to complete a series of missions.

### Circuits Lab
Grades K-5

Zaniac's Circuits Lab is a fantastic introduction to the world of electronics. With LittleBits™, campers learn about basic inputs, outputs, analogs, electricity, and more. Students build prototypes of their own inventions exploring the world through the lens of easy-to-build magnetic circuits.

### Tinker & Code Lab
Grades 5-8

The microcontroller is a fascinating piece of technology created by humans and it is all around us, they were inspired by the brain! Programming Electronics Camp introduces students to this wonderful creation. With open source hardware, students learn programming logic through hands-on hardware projects, work with sensors to explore the science of light and sound, and build creatively with motors, wires, and real circuit boards.



## Coding Lab

### Coding Apprentice Lab
Grades K-4

Zaniac's Coding Apprentice Lab offers two introductory levels to coding. It starts with Apprentice Coder with Scratch for the true beginners when finished they can sign up for Apprentice Coder II. In these two camps, they learn basic computer programming skills such as sequences, loops, iterative development, and debugging using a modern, block-based approach. Students create fun animations, videos and games.

### App Maker Lab
Grades 2-4

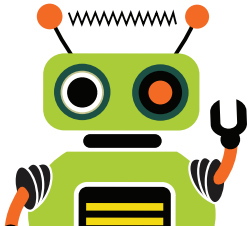
Learn basic computer programming techniques while building a simple Android-based mobile phone or tablet game using MIT App Inventor. Learn and use real development techniques like event handlers, timers, lists, database management, and script generation to go from concept to a functional application that is yours to keep.

### Python Coder Lab
Grades 5-8

Given how many of the common functionalities that programmers need are already built into this programming language, Python is a fantastic language for intermediate coders ready to transfer programming ideas into instructions that the machine can interpret. Python Coder Lab takes your young coders to this next level.

### Java Coder Lab
Grades 5-8

This is the perfect camp with students at an intermediate level of coding and a drive to create! Campers learn the basics of Java, a "write once, run everywhere" language. Explore principles like variables, classes, methods, code efficiency, and automation, all while building a text adventure game, a calculator, and more.



### Web Maker Apprentice
Grades 4-8

In Web Design camp, students create their own website, going from concept to functional hosted site. Campers will learn the basics of the HTML5 and CSS3 web languages, layout strategies, color theory, and responsive web design. Start by brainstorming your initial concept, wireframing a template in Moqups, building in Weebly, and tweaking the HTML and CSS to dial in the design. Web Design students also learn about site maintenance, including UX feedback, testing, updates, domain management, and hosting.

### Web Maker Master with JavaScript
Grades 5-8

Make things happen on a web page! Understand the programming language of JavaScript and become a website developer in training. Watch what you can make happen on a web page with JavaScript and how to use it to alter HTML coding. Change text and images on a website. Run calculations. Write expressions and learn how to use pop-ups. Understand what parts of a website use JavaScript, enhance your skills reading and writing JavaScript, and know how JavaScript affects a website.

### Minecraft Apprentice Coder
Grades 4-8

Students learn to customize Minecraft™ and work with developer tools including JDK, Eclipse, Terminal, and Gimp to create custom items, blocks, and new materials by writing your own code in Java. Learn to install resource packs and preexisting mods, and interpret the elements of existing mods to define qualities for your own.

### Minecraft Master Coder
Grades 4-8

Dive deeper into the Minecraft Coder Pack for more advanced approaches and create custom inventory tabs, biomes, crops, and unique armor. Build on what you learned in Intro to Minecraft Mods to create a brand-new mod.

## STEAM Quest Lab

### STEAM Quest Superheroes, STEAM Quest Galactic Wars & STEAM Quest Defying Nature

Grades K-5

In STEAM Quest students will dive into science and technology exploration through the world of Superheroes, Galactic Wars or Natural Phenomena. They will spend one day doing different activities learning about science and math through Minecraft, robotics, 3D Printing, Tinkering and engaging in various science exploration experiments.

zaniac™

K-8 STEAM After-School Programs & Camps

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# 2018 Summer Camp Schedule

Choose one lab per am or pm session per week.

| WEEK | MORNING SESSION | | AFTERNOON SESSION | |
|---|---|---|---|---|
| | **9:00am - 12:00pm** | **Grade** | **1:00pm - 4:00pm** | **Grade** |
| May 29 - Jun 1 | Circuits Lab | K - 5 | Circuits Lab | K - 5 |
| | Minecraft Apprentice - Biosphere Explorers | K - 4 | Minecraft Master - City Rescue Squad | 2 - 6 |
| | Minecraft Apprentice - Space Adventurers | 1 - 5 | Robotics Apprentice - Bots Ignite Lab | K - 5 |
| | Robotics Master - Bio Bots | 3 - 6 | Robotics Apprentice - Mechanics in Motion Lab | K - 4 |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jun 4 - 8 | Coding Apprentice Coder I | K - 4 | Circuits Lab | K - 5 |
| | Minecraft Master - Redstone | 4 - 8 | Minecraft Apprentice - Biosphere Explorers | K - 4 |
| | Robotics Apprentice - Battle Bots Lab | K - 4 | STEAM QUEST - Defying Nature | K - 5 |
| | Robotics Apprentice - Mechanics in Motion Lab | K - 4 | Robotics Master - Green Bots | 3 - 6 |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jun 11 - 15 | 3D Game Design | 5 - 8 | Circuits Lab | K - 5 |
| | App Maker Lab | 2 - 4 | Coding Apprentice Coder I | K - 4 |
| | Drones Lab | 4 - 8 | Coding Apprentice Coder II | K - 5 |
| | Minecraft Apprentice - Biosphere Explorers | K - 4 | Minecraft Master - City Rescue Squad | 2 - 6 |
| | Minecraft Apprentice - FIFA World Cup | 1 - 5 | Minecraft Master - Redstone | 4 - 8 |
| | Minecraft Apprentice - Space Adventurers | 1 - 5 | Music Lab | 4 - 8 |
| | Robotics Apprentice - Battle Bots Lab | K - 4 | Robotics Master - Bio Bots | 3 - 6 |
| | Robotics Apprentice - Bots Ignite Lab | K - 5 | Robotics Master - Marine Bots | 3 - 6 |
| | Robotics Apprentice - Mechanics in Motion Lab | K - 4 | Web Maker Lab | 4 - 8 |
| | STEAM Quest - Superheroes | K - 5 | | |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jun 18 - 22 | Circuits Lab | K - 5 | 3D Game Design | 5 - 8 |
| | Coding Apprentice Coder I | K - 4 | Aeronautical Lab | 5 - 8 |
| | Coding Apprentice Coder II | K - 5 | Coding Apprentice Coder II | K - 5 |
| | Costume Design Lab | 2 - 5 | Coding Apprentice Coder I | K - 4 |
| | Minecraft Master - Newton's World | 4 - 8 | Minecraft Apprentice - Biosphere Explorers | K - 4 |
| | Minecraft Master - Redstone | 4 - 8 | Minecraft Apprentice - FIFA World Cup | 1 - 5 |
| | Python Coder Lab | 5 - 8 | Minecraft Apprentice - Urban Adventurers | 1 - 5 |
| | Robotics Master - Green Bots | 3 - 6 | Minecraft Apprentice Coder | 4 - 8 |
| | Robotics Master - Marine Bots | 3 - 6 | Robotics Apprentice - Battle Bots Lab | K - 4 |
| | | | Robotics Apprentice - Bots Ignite lab | K - 5 |
| | | | Robotics Apprentice - Mechanics in Motion Lab | K - 4 |

Choose one lab per am or pm session per week.

| WEEK | MORNING SESSION | | AFTERNOON SESSION | |
|---|---|---|---|---|
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jun 25 – 29 | 3D Engineering Design Challenge | 5 - 8 | Coding Apprentice Coder I | K - 4 |
| | Java Coder Lab | 5 - 8 | Coding Apprentice Coder II | K - 5 |
| | Minecraft Apprentice - Biosphere Explorers | K - 4 | Drones Lab | 4 - 8 |
| | Minecraft Apprentice - FIFA World Cup | 1 - 5 | Minecraft Master - City Rescue Squad | 2 - 6 |
| | Minecraft Apprentice - Space Adventurers | 1 - 5 | Minecraft Master - Redstone | 4 - 8 |
| | Python Coder Lab | 5 - 8 | Music Lab | 4 - 8 |
| | Robotics Apprentice - Battle Bots Lab | K - 4 | Robotics Master - Bio Bots | 3 - 6 |
| | Robotics Apprentice - Bots Ignite Lab | K - 5 | Robotics Master - Marine Bots | 3 - 6 |
| | Robotics Apprentice - Mechanics in Motion Lab | K - 4 | STEAM Quest - Superheroes | K - 5 |
| | Tinker & Code | 5 - 8 | | |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jul 2 – 6 | Circuits Lab | K - 5 | 3D Engineering Design Challenge | 5 - 8 |
| | Coding Apprentice Coder I | K - 4 | Aeronautical Lab | 5 - 8 |
| | Coding Apprentice Coder II | K - 5 | App Maker Lab | 2 - 4 |
| | Minecraft Master - Newton's World | 4 - 8 | Minecraft Apprentice - Biosphere Explorers | K - 4 |
| | Minecraft Master - Redstone | 4 - 8 | Minecraft Apprentice - FIFA World Cup | 1 - 5 |
| | Music Lab | 4 - 8 | Minecraft Apprentice - Urban Adventurers | 1 - 5 |
| | Robotics Apprentice - Olympic Bots | 1 - 5 | Robotics Apprentice - Battle Bots Lab | K - 4 |
| | Robotics Master - Green Bots | 3 - 6 | Robotics Apprentice - Mechanics in Motion Lab | K - 4 |
| | Robotics Master - Marine Bots | 3 - 6 | | |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jul 09 – 13 | 3D Maker Lab | 3 - 8 | Circuits Lab | K - 5 |
| | Coding Apprentice Coder I | K - 4 | Minecraft Master - City Rescue Squad | 2 - 6 |
| | Coding Apprentice Coder II | K - 5 | Minecraft Master - Redstone | 4 - 8 |
| | Drones Lab | 4 - 8 | Music Lab | 4 - 8 |
| | Minecraft Apprentice - Biosphere Explorers | K - 4 | Robotics Apprentice - Battle Bots Lab | K - 4 |
| | Minecraft Apprentice - FIFA World Cup | 1 - 5 | Robotics Apprentice - Bots Ignite Lab | K - 5 |
| | Minecraft Apprentice - Space Adventurers | 1 - 5 | Robotics Apprentice - Mechanics in Motion Lab | K - 4 |
| | Robotics Master - Bio Bots | 3 - 6 | STEAM Quest - Galactic Wars | K - 5 |
| | Robotics Master - Marine Bots | 3 - 6 | | |
| | STEAM Quest - Defying Nature | K - 5 | | |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| Jul 16 – 20 | Aeronautical Lab | 5 - 8 | 3D Game Design | 5 - 8 |
| | Coding Apprentice Coder I | K - 4 | Circuits Lab | K - 5 |
| | Coding Apprentice Coder II | K - 5 | Minecraft Apprentice - Biosphere Explorers | K - 4 |
| | Costume Design Lab | 2 - 5 | Minecraft Master - City Rescue Squad | 2 - 6 |
| | Minecraft Master - Redstone | 4 - 8 | Minecraft Apprentice - FIFA World Cup | 1 - 5 |
| | Minecraft Master - Newton's World | 4 - 8 | Python Coder Lab | 5 - 8 |
| | Minecraft Master Coder | 4 - 8 | Robotics Master - Green Bots | 3 - 6 |
| | Robotics Apprentice - Battle Bots Lab | K - 4 | Robotics Master - Marine Bots | 3 - 6 |
| | Robotics Apprentice - Mechanics in Motion Lab | K - 4 | Web Maker Master with JavaScript | 5 - 8 |
| | Robotics Apprentice - Olympic Bots | 1 - 5 | | |

Choose one lab per am or pm session per week.

| WEEK | MORNING SESSION | | AFTERNOON SESSION | |
|---|---|---|---|---|
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| **Jul 23 – 27** | 3D Game Design | 5 - 8 | Coding Apprentice Coder I | K - 4 |
| | App Maker Lab | 2 - 4 | Coding Apprentice Coder II | K - 5 |
| | Circuits Lab | K - 5 | Minecraft Apprentice - Biosphere Explorers | K - 4 |
| | Drones Lab | 4 - 8 | Minecraft Apprentice - FIFA World Cup | 1 - 5 |
| | Minecraft Master - City Rescue Squad | 2 - 6 | Minecraft Apprentice - Space Adventurers | 1 - 5 |
| | Minecraft Master - Redstone | 4 - 8 | Minecraft Master Coder | 4 - 8 |
| | Robotics Apprentice - Battle Bots Lab | K - 4 | Music Lab | 4 - 8 |
| | Robotics Apprentice - Bots Ignite Lab | K - 5 | Robotics Master - Bio Bots | 3 - 6 |
| | Robotics Apprentice - Mechanics in Motion Lab | K - 4 | Robotics Master - Marine Bots | 3 - 6 |
| | | | Tinker & Code | 5 - 8 |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| **Jul 30 – Aug 03** | Circuits Lab | K - 5 | 3D Engineering Design Challenge | 5 - 8 |
| | Coding Apprentice Coder I | K - 4 | Aeronautical Lab | 5 - 8 |
| | Coding Apprentice Coder II | K - 5 | Coding Apprentice Coder I | K - 4 |
| | Minecraft Master - Newton's World | 4 - 8 | Coding Apprentice Coder II | K - 5 |
| | Minecraft Master - Redstone | 4 - 8 | Minecraft Apprentice - Biosphere Explorers | K - 4 |
| | Music Lab | 4 - 8 | Minecraft Apprentice - Urban Adventurers | 1 - 5 |
| | Robotics Master - Green Bots | 3 - 6 | Minecraft Apprentice - FIFA World Cup | 1 - 5 |
| | Robotics Master - Marine Bots | 3 - 6 | Robotics Apprentice - Battle Bots Lab | K - 4 |
| | STEAM QUEST - Galactic Wars | K - 5 | Robotics Apprentice - Mechanics in Motion Lab | K - 4 |
| | | | Robotics Apprentice - Olympic Bots | 1 - 5 |
| | | | Zane Math | K - 8 |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| **Aug 6 – 10** | 3D Maker Lab | 3 - 8 | Circuits Lab | K - 5 |
| | Costume Design Lab | 2 - 5 | Coding Apprentice Coder I | K - 4 |
| | Java Coder Lab | 5 - 8 | Coding Apprentice Coder II | K - 5 |
| | Minecraft Apprentice - Biosphere Explorers | K - 4 | Drones Lab | 4 - 8 |
| | Minecraft Apprentice - Space Adventurers | 1 - 5 | Minecraft Master - City Rescue Squad | 2 - 6 |
| | Minecraft Apprentice - FIFA World Cup | 1 - 5 | Minecraft Master - Redstone | 4 - 8 |
| | Robotics Apprentice - Battle Bots Lab | K - 4 | Robotics Master - Bio Bots | 3 - 6 |
| | Robotics Apprentice - Bots Ignite Lab | K - 5 | Robotics Master - Marine Bots | 3 - 6 |
| | Robotics Apprentice - Mechanics in Motion Lab | K - 4 | Zane Reading | 1 - 4 |
| | Zane Math | K - 8 | Zane Math | |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| **Aug 13 – 17** | 3D Engineering Design Challenge | 5 - 8 | 3D Maker Lab | 3 - 8 |
| | Coding Apprentice Coder I | K - 4 | Aeronautical Lab | 5 - 8 |
| | Coding Apprentice Coder II | K - 5 | Circuits Lab | K - 5 |
| | Minecraft Apprentice - Biosphere Explorers | K - 4 | Coding Apprentice Coder I | K - 4 |
| | Minecraft Apprentice - FIFA World Cup | 1 - 5 | Coding Apprentice Coder II | K - 5 |
| | Minecraft Apprentice - Urban Adventurers | 1 - 5 | Minecraft Master - Newton's World | 4 - 8 |
| | Robotics Master - Bio Bots | 3 - 6 | Minecraft Master - Redstone | 4 - 8 |
| | Robotics Master - Marine Bots | 3 - 6 | Robotics Apprentice - Battle Bots Lab | K - 4 |
| | Tinker & Code | 5 - 8 | Robotics Apprentice - Mechanics in Motion Lab | K - 4 |
| | Zane Reading | 1 - 4 | Robotics Apprentice - Olympic Bots | 1 - 5 |
| | Zane Math | | Zane Math | K - 8 |
| | **9:00am - 12:00pm** | | **1:00pm - 4:00pm** | |
| **Aug 20 – 24** | Minecraft Apprentice - Biosphere Explorers | K - 4 | Minecraft Apprentice - Space Adventurers | 1 - 5 |
| | Zane Math | K - 8 | Zane Math | K - 8 |
| | Zane Reading | 1 - 4 | Zane Reading | 1 - 4 |
| | Circuits Lab | K - 5 | Robotics Apprentice - Bots Ignite lab | K - 5 |