



# Incoming 5<sup>th</sup> - 6<sup>th</sup> Grade SUMMER PROGRAM

WEEKLY SESSIONS: JUNE 22 - JULY 27



Registration is open!  
\$40 each week for new students  
\$30 each week for returning students  
Space is limited!

Registration Link:  
[community.tgrlearninglab.org](https://community.tgrlearninglab.org)



On the website, change your location to Anaheim above the search bar, then type "Summer" in the search bar to see course listings for Anaheim.

Hands-on, fun, and interactive career-focused experiences in a safe space!

## Courses for students going into 5<sup>th</sup> - 6<sup>th</sup> Grade | 9 a.m. - 12 p.m.:

June 22-25: Life Hacks for a Healthier You, Press Start to Game Design, Sun Power Builders, Space Quest, DIY Art Studio\*

June 29-July 2: Move It! The Science Behind Sports, Micro:bit Circuit Coders Challenge, Mind Detectives: Crack the Brain's Secrets, Part-Tee Time

July 6-9: Time Travelers: Unearthing the Past, Animal Kingdom, Intro to Digital Arts, Science Unleashed: Rockets, Circuits & Seeds!\*

July 13-16: Micro:bit Circuit Coders Challenge, Rocketry & Flight, Track Masters, Part-Tee Time, Build It Big: Engineering Challenge Lab!\*

July 20-23: Move It! The Science Behind Sports, Animal Kingdom, Robo Builders: Invent & Explore, Power Up! Solar, Wind & Energy Racers\*

July 27-30: Body Detectives: Unlocking Your Inner Superpowers, My First Adventure Game, Green Thumbs: A Look at Plants, Cyber Force, Part-Tee Time

\* denotes new class added



FOR MORE INFORMATION:  
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# Incoming 5<sup>th</sup> - 6<sup>th</sup> Grade Students SUMMER PROGRAM

## WEEK 1: JUNE 22-25



### Life Hacks for a Healthier You

Fuel your future and level up your life!

Explore how nutrition, fitness, mental wellness, and daily habits work together to help you feel your best.

Through hands-on activities, challenges, and real talk with peers, you'll set goals, manage stress, decode food labels, and build healthy habits that actually stick. Walk away with the tools and confidence to thrive- now and in the future!

### Sun Power Builders

Get ready to harness the power of the sun!

Become a solar engineer as you design and build awesome solar-powered creations. You'll discover how sunlight can power real inventions. Work in teams to brainstorm ideas, build and test your designs, and make improvements along the way.

It's a fun adventure in creativity, teamwork, and innovation- all powered by the sun!

### DIY Art Studio

Paint, design, and create! Explore exciting projects like painting, paper crafts, sewing, and more. You will learn cool new techniques and use your imagination to create one-of-a-kind masterpieces. Whether following a design or inventing something totally new, you'll build confidence, creativity, and skills while having fun bringing your ideas to life!

### Space Quest



Look into the night sky and what do you find? If you've wondered what is out there, this is the class for you. Explore how the sun, moon, and planets compare to how time and space collide to the realm of stars, galaxies, and black holes. Your own miniature rocket will be built to explore the skies!

### Press Start to Game Design

Discover the secrets behind creating video games!

Learn how to code with Clickteam Fusion Developer 2.5 and explore the creative ideas that make game design so exciting. Let's level up your skills and turn your game dreams into reality!

## WEEK 2: JUNE 29 - JULY 2

### Move It!

#### The Science Behind Sports

Ever wonder how athletes run faster, jump higher, and stay strong? Come discover how your muscles work, how your body creates energy, and how science helps athletes perform their best. You'll explore movement, test your strength, and learn how technology helps athletes train, prevent injuries, and recover. Get ready to move, experiment, and uncover the science behind sports!

### Micro:bit Circuit Coders Challenge



Get ready for four days of creativity, curiosity, and hands-on building as you dive into the world of circuits and coding with micro:bits! A micro:bit is a tiny computer you can code with. Each day, you'll explore a new challenge- lighting up LEDs, testing sensors, making simple programs, and experimenting like real engineers. You'll learn how tiny computers can power big ideas.



### Mind Detectives: Crack the Brain's Secrets

Ever wanted to figure out what someone is thinking or feeling? Become a real-life mind detective as you explore how your brain controls attention, memory, emotions, and decisions! Practice noticing clues, making observations, and thinking like a scientist to understand behavior. By the end of class, you'll have the superpower to "read minds" and spot everyday hints about what people are thinking or feeling.



### Part-Tee Time

This class is designed for those who are looking to take up the game of golf. In a bootcamp style, you will learn the proper stance, grip, and swing techniques. The class will also cover the rules and etiquette of golf. Students will learn how to navigate the golf course and play with proper etiquette.



## WEEK 3: JULY 6-9



### Time Travelers: Unearthing the Past

Grab your tools and get ready to dig into the past! You'll become junior archaeologists and explore ancient civilizations through hands-on discovery. We'll uncover how early engineers built massive pyramids and temples, how writing systems were created, and how powerful societies rose and thrived. Through excavation simulations, artifact investigations, and history-inspired problem-solving challenges, you'll piece together clues to unlock the mysteries of long-lost worlds. Adventure awaits beneath the surface!

### Animal Kingdom



Do you ever wonder how animals can live together in the rain forest, under the sea, or in the hot desert? Would you like to study and compare the different animal groups? Grab a scalpel and a hand lens and join us to explore the anatomy of various animals, while understanding how they adapt to survive while living with other animals in each ecosystem!

### Science Unleashed: Rockets, Circuits & Seeds!

Get ready for four exciting days of hands-on science fun! Build and launch rockets while learning how things move through force and motion, create working circuits, and discover how electricity flows to power lights and devices. Then, explore Seed Science by growing plants and learning what they need to survive and grow.



### Intro to Digital Arts

Unlock your creativity with this beginner-friendly course! Dive into the world of digital art using Adobe Photoshop and Illustrator to learn to create designs. We'll explore layering, color theory, and basic design principles. By the end of the class, you'll create your own personal logo or a vibrant digital postcard to showcase your artistic skills.

## WEEK 4: JULY 13-16

### Rocketry & Flight

Blast off into the world of an aerospace engineer! In this class, you will explore the forces of flight as you build and test your own wing to see if it achieves lift. Assemble different devices to discover different forms of lift and thrust. You will learn to master the concept of Newton's laws of motion by designing and building your very own parachute, helicopter, and rockets.

### Track Masters



Step into the world of music production and unleash your inner producer! Use SoundTrap and other tools to craft beats, layer tracks, and mix sounds to create your own songs. Whether it's hip-hop, pop, or EDM, this class is your ticket to mastering the art of music production.

### Part-Tee Time

This class is designed for those who are looking to take up the game of golf. In a bootcamp style, you will learn the proper stance, grip, and swing techniques. The class will also cover the rules and etiquette of golf. Students will learn how to navigate the golf course and play with proper etiquette.

### Micro:bit Circuit Coders Challenge



Get ready for four days of creativity, curiosity, and hands-on building as you dive into the world of circuits and coding with micro:bits! A micro:bit is a tiny computer you can code with. Each day you'll explore a new challenge- lighting up LEDs, testing sensors, making simple programs, and experimenting like real engineers. You'll learn how tiny computers can power big ideas.

### Build It Big: Engineering Challenge Lab!

You will design and test a wooden catapult to learn about force, motion, and simple machines. You will also build structures that can survive an earthquake shake test by thinking like a real engineer. Then, create and race rubber-band-powered dragsters while learning about energy and how things move. Each day is full of building, testing, and improving your designs!

## WEEK 5: JULY 20-23



### Move It!

#### The Science Behind Sports

Ever wonder how athletes run faster, jump higher, and stay strong? Come discover how your muscles work, how your body creates energy, and how science helps athletes perform their best. You'll explore movement, test your strength, and learn how technology helps athletes train, prevent injuries, and recover. Get ready to move, experiment, and uncover the science behind sports!

### Robo Builders: Invent & Explore



Bring robots to life! Use Lego Spike modules to build your very own robots, test how they work, and figure out ways to make them even better. Explore how robots solve real-world problems, learn to collect and think about data, and discover how smart engineers improve their creations. No matter your experience level, you'll have a blast building, experimenting, and inventing- one brick at a time!

### Animal Kingdom

Do you ever wonder how animals can live together in the rain forest, under the sea, or in the hot desert? Would you like to study and compare the different animal groups? Grab a scalpel and a hand lens and join us to explore the anatomy of various animals, while understanding how they adapt to survive while living with other animals in each ecosystem!

### Power Up! Solar, Wind & Energy Racers

You will build a solar oven and use the sun's heat to learn how solar energy works. You will design and test wind turbines to see how wind can create power. Then, you will build solar-powered race cars and see how fast they can go using energy from the sun. Each day is full of building, testing, and discovering how clean energy can power our world!



## WEEK 6: JULY 27-30

### Body Detectives:

#### Unlocking Your Inner Superpowers

Become a body detective! You will uncover the amazing secrets of the human body and how its systems work together to keep us alive and moving. Through fun, hands-on activities, you will explore muscles, bones, the beating heart, breathing lungs, the powerful brain, and more. Discover how the body stays balanced, fights germs, and helps us take on everyday adventures!

### Cyber Force



Join us for an exciting summer adventure where you will learn how to outsmart hackers, protect personal information, and build smart online habits through games, teamwork, and interactive activities!

### My First Adventure Game

Love games with epic stories and thrilling quests? Got an idea for an unforgettable adventure to send your hero on? Learn how to use RPG Maker MZ to create your own story-driven games, just like Pokémon and Final Fantasy!

### Green Thumbs: A Look at Plants

Ever wonder what plants are unique to forests, parks, under the sea, or in the desert? Would you like to study and compare the different plant groups and their unique parts? Grab some dissecting tools and a hand lens to explore the structures of various plants while understanding how they grow, reproduce and adapt to survive while living with other plants and animals in each ecosystem!



### Part-Tee Time

This class is designed for those who are looking to take up the game of golf. In a bootcamp style, you will learn the proper stance, grip, and swing techniques. The class will also cover the rules and etiquette of golf. Students will learn how to navigate the golf course and play with proper etiquette.

**Registration** is online for summer classes. All classes are in-person. Students may register for one class per week. **One ID badge** is made for each student for our summer program. To replace a lost or misplaced ID, there will be a \$5 charge. All students must wear their ID badge after the first day of the summer to have safe and secure access to the building. **CANCELLATION POLICY:** Students who wish to cancel their participation must complete the refund process 10 business days before the start of class to receive a full refund. No refunds will be granted after this time.