

Incoming 7th - 12th Grade SUMMER PROGRAM

WEEKLY SESSIONS: JUNE 22 - JULY 27



Registration Link:
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.

Registration opens on April 9th!
\$40/WEEK- NEW STUDENTS
\$30/WEEK- RETURNING STUDENTS
Space is limited!

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

Courses for students going into 7th - 12th Grade | 1 p.m. - 4 p.m.:

June 22-25: Financial Literacy, Intro to Game Design, Exploring Biomedical Careers, Graphic Design Studio, Into the Swing of Things

June 29-July 2: Stage Ready: From Script to Spotlight, Engineering Design Vehicles, Track Masters

July 6-9: Beginning 3D Modeling with Blender, Robotics, Food Science Lab; Lights, Camera, Create!, Into the Swing of Things

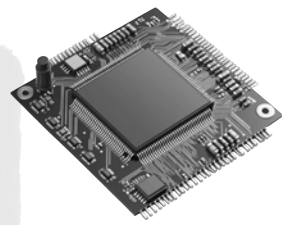
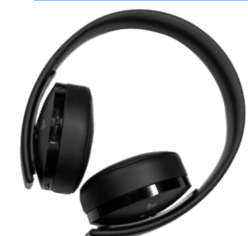
July 13-16: Engineering Design Vehicles, Game On: The Science of Sports; Lights, Camera, Create!, Design Thinking & Innovation

July 20-23: Solar Engineers: Powering the Future, Food Science Lab, Mic Check: Amplify Your Voice, Into the Swing of Things

July 27-30: Stage Ready: From Script to Spotlight, Intro to Game Design, World of Engineering, Exploring Biomedical Careers

FOR MORE INFORMATION:
714-765-8000

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Incoming 7th - 12th Grade Students SUMMER PROGRAM

WEEK 1: JUNE 22-25



Intro to Game Design

Not satisfied with the games you see? Make one yourself! With Clickteam Fusion, you'll mix pixels, code, and imagination to create your own video game. From summoning characters to crafting epic soundtracks, you'll develop a custom brick breaker game to play and share. No coding experience required- we'll help you level up.

Financial Literacy

Saving and spending, saving and spending. These are ways we interact with money, but there is so much more than that. You will learn about building habits of spending and saving, different ways of spending, and how to build good financial habits.

Into the Swing of Things

New to the game of golf or looking to improve your foundational skills? This class will cover the basics of putting, chipping, and swing mechanics. You'll learn about the different types of clubs and when to use them, gain an understanding of the fundamentals of golf, and how to apply them to your game.



Exploring Biomedical Careers

Explore how science and engineering careers improve human health! You'll investigate anatomy and disease while building practical skills through hands-on lab work and design challenges, including heart and eye dissections, learning basic suturing techniques, measuring vital signs (heart rate and blood pressure), and creating prototypes to solve biomedical problems. You'll have a clearer understanding of biomedical pathways and the skills used across healthcare and medical science careers.



Graphic Design Studio

Transform ideas into visual masterpieces in this hands-on graphic design workshop. Using Adobe Illustrator and InDesign, you will explore typography, layout design, and branding concepts. From posters to social media graphics, this class will empower you to craft professional-grade designs that make a lasting impact.

WEEK 2: JUNE 29 - JULY 2

Stage Ready: From Script to Spotlight

Step into the world of live theater and discover what it takes to bring a story from script to stage! You'll explore acting techniques, character development, line delivery, and the behind-the-scenes teamwork that makes a production shine.

Track Masters

Step into the world of music production and unleash your inner producer! Using SoundTrap and other tools, you will learn 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.



Engineering Design Vehicles

Dive into the world of vehicle design and construction, where you'll learn how to build your own model vehicles using a variety of materials. Explore the basics of engineering, problem-solving, and creativity as you design and test functional vehicles, and learn about concepts like wheels, motion, and energy. This class encourages teamwork, innovation, and critical thinking, giving you the tools to create your own transportation inventions!





WEEK 3: JULY 6-9

Lights, Camera, Create!

Step into the world of filmmaking in this hands-on class! You'll learn the three stages of video production, planning, filming, and editing, while working in teams to create your own original video.

Into the Swing of Things

New to the game of golf or looking to improve your foundational skills? This class will cover the basics of putting, chipping, and swing mechanics. You'll learn about the different types of clubs and when to use them, gain an understanding of the fundamentals of golf, and how to apply them to your game.

Beginning 3D Modeling

Blender is a free open-source 3D modeling software that is used for animation, game character design, and product prototyping. You'll be introduced to basic Blender functions, manipulate objects in 3D space, edit meshes to create 3D objects, and refine projects with the sculpt tool. At the end of the course, you'll get to take home a 3D art portfolio.



Food Science Lab

How does science explain the food we eat and the processes used to make it? You'll investigate food chemistry through lab activities focused on mixtures and emulsions, phase changes, enzyme based reactions, and food safety. Then, apply what you learn by making and testing simple food creations while collecting evidence to explain how ingredients and processes change texture, stability, and quality.

Robotics

Designed for students of all skill levels! Explore the fundamentals of robotics through Lego Education Spike modules. You'll learn to build your own robots while collecting and analyzing data to assess the effectiveness of your creations in solving real-world problems. Consider the limitations of data analysis (e.g., measurement error) and seek to improve using better technological tools and methods. Let's build the future together- one brick at a time.



WEEK 4: JULY 13-16

Engineering Design Vehicles

Dive into the world of vehicle design and construction, where you'll learn how to build your own model vehicles using a variety of materials. Explore the basics of engineering, problem-solving, and creativity as you design and test functional vehicles, and learn about concepts like wheels, motion, and energy. This class encourages teamwork, innovation, and critical thinking, giving you the tools to create your own transportation inventions!

Lights, Camera, Create!

Step into the world of filmmaking in this hands-on class! You'll learn the three stages of video production, planning, filming, and editing, while working in teams to create your own original video.

Design Thinking & Innovation

Don't trust the process; do the process. We'll embrace human-centered design solutions through an iterative process of brainstorming, prototyping, and innovating. In conjunction with manipulating daily engineering and creative-thinking challenges, we (re)define real-world problems and collaborate to design and showcase tools, products, or services that make a difference. Sometimes, failure is an option- as long as we try again and again and again.

Game On: The Science of Sports

Discover what powers athletic performance! Explore how muscles work, how the body creates energy, and how biomechanics, recovery, and performance data help athletes train smarter and compete stronger.

WEEK 5: JULY 20-23



Solar Engineers Powering the Future

Utilize the power of the sun as you design and build different solar-powered artifacts! Along the way you will strengthen your problem-solving, engineering design and teamwork skills while experimenting with real renewable energy concepts. It's an exciting blend of creativity and innovation.

Food Science Lab

How does science explain the food we eat and the processes used to make it? You'll investigate food chemistry through lab activities focused on mixtures and emulsions, phase changes, enzyme based reactions, and food safety. Then, apply what you learn by making and testing simple food creations while collecting evidence to explain how ingredients and processes change texture, stability, and quality.

Mic Check: Amplify Your Voice

Find your voice and share your story in this podcasting masterclass. Learn the art of storytelling, sound editing, and recording as you create your own podcast. With access to mics, a recording booth, and editing tools like Adobe Audition, you'll produce a polished episode ready to inspire, inform, or entertain.

Into the Swing of Things

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WEEK 6: JULY 27-30

World of Engineering

In this hands-on engineering course, you will become real world problem solvers as you design creative solutions to STEM challenges. Working together in dynamic teams, you'll brainstorm, build, test and improve their ideas just like real engineers.

Intro to Game Design

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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.