



TGR FOUNDATION

## TGR LEARNING LAB 2023 SUMMER EXPANDED LEARNING PROGRAM APPLICATION

Rising 7<sup>th</sup> -12<sup>th</sup> Grade Students  
Application Deadline: **Friday, June 2**

Dear Prospective TGR Learning Lab student,

Thank you for your interest in the TGR Learning Lab! This application includes information about our Summer Program and the application process.

**Description of Summer Program:** The TGR Learning Lab is offering summer classes for students who are interested in hands-on, interactive, career-focused experiences. Classes are open to students who will be entering the 7<sup>th</sup>-12<sup>th</sup> grade in the fall of 2023.

**Timeframe:** Classes are held Monday – Thursday from 1 – 4 p.m. There are four weeklong sessions to choose from, and students may register for one class per week.

**Fees:** The cost is \$30 per class for TGR Learning Lab members and \$40 per class for non-members. To be a member, students must have participated in a program at the TGR Learning Lab. Payment is due when the application is submitted. Please see the registration form for payment options.

**ID Badge:** One ID badge will be made for each student accepted into the summer program. This ID badge will be used throughout the duration of the summer program from June 26 to July 27. To replace a lost or misplaced ID badge there will be a \$5 charge. All students must wear their ID badge after their first day of the summer program to have safe and secure access into the building.

**Application Process:** There are three steps in the application process. Classes are filled on a first-come, first-served basis. If the classes selected are full, students will be contacted about alternative options. There are a limited number of spaces per class; it is recommended that applications are submitted early. Please follow all directions and use the checklist below to complete each step:

- Step 1: Select classes.
- Step 2: Complete the registration form.
- Step 3: Submit the application, grade verification and payment by mail or drop it off at the TGR Learning Lab.

**Grade Verification:** A copy of the student applicant's most recent report card is required to verify their current grade level. Applications will not be processed without a copy of the student's most recent report card.

**Cancellation Policy:** Students who wish to cancel their participation must inform the TGR Learning Lab in writing at least 15 days before the start of class to receive a refund. No refunds will be granted after this time. Cancellations will only be accepted in person or through email or fax messages.

We hope to see you at the TGR Learning Lab this summer.

TGR Learning Lab  
One Tiger Woods Way  
Anaheim, CA 92801

Phone: (714) 765-8040 | Fax: (714) 765-8059 | TGRFoundation.org

## **Session 1: June 26 – 29**

### Comparative Zoology

Through a series of investigative animal dissections, this class will provide a hands-on look at animal anatomy and how anatomical adaptations are used to help them survive in the wild. By the end of the class, you will understand how a zoologist studies and compares animals to understand their complex body systems.

### How to Read Minds

Have you ever wondered how your mind works? Have you ever wondered how the minds of others work? In this course, you will learn fundamental topics in psychology that work together to help you understand how your own brain works, as well as your relationships with others. We will explore the biology of the brain, the psychology of the senses, learned behaviors and social psychology.

### Robotics

This fun and exciting class is ideal for beginners. You will build and program robots using a variety of LEGO Mindstorms EV3 kits. Using LEGO brick, gears, motors and sensors, you will learn the basics of building, programming, mechanical design and teamwork skills, while sharing a robotics kit and computer.

### Digital Music Production

Are you a music lover? Do you find yourself creating beats with your hands and pencils? Maybe you have a melody stuck in your head. Whatever the case, in this course, you will be able to bring those passions to life. Through learning about music theory, sound design and the music production process, you will get hands-on experience bringing the beats in your mind to life.

### Into the Swing of Things: Building a Repeatable Golf Swing

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

## **Session 2: July 10-13**

### Food Chemistry

In this class, you will investigate the nature and chemical behavior of food by following, adjusting and tasting recipes to test hypotheses and understand how food ingredients impact our mood, mobility and body.

### Game Design

Have you ever played a video game and wondered, "How did this game start out from a few lines of code?" By the end of the class, you will understand the basic components behind video game creation that include programming basic interactions between the player and the game, as well as the philosophy behind video game design.

### Programming with Python

Python is one of the most popular computer programming languages in the world. Programmers have used Python to create websites, automate tasks and conduct data analysis. In this course, you will be introduced to Python and use your new knowledge to complete Python-related challenges.

### Forensic Biotechnology

Do you enjoy mysteries and solving crimes? As a forensic biotechnologist, you will investigate a crime scene and analyze evidence including mystery hair, blood typing and DNA fingerprinting. You will develop foundational biotechnology skills, including micro-pipetting and gel electrophoresis. Dust off your detective skills and prepare to take on the challenge of solving a unique crime!

### **Session 3: July 17 – 20**

#### Human Body Lab: Exploring Biomedical Careers

Are you interested in applying your passion for science to improve people's health and well-being? From participating in animal dissections to designing prototypes for biomedical challenges, we will explore the anatomy of the human body, the cause and spread of diseases and the variety of careers in health care. You will walk away with a better understanding of how you can help yourself and others live a healthy life.

#### Mobile App Design

People use mobile apps every day on their smart devices, but have you ever wondered how a mobile app is created? Join this introductory course to learn the computer science concepts and applications of mobile app design.

#### Beginner Drone Pilot Training

Working within drone regulations, in this introductory course, you will learn how to assemble and fly drones safely indoors. After building drones, you will work in a team to participate in challenges and tasks to implement your flight skills, demonstrate connections to science principles and collaborate with your peers.

#### Wearable Arts

Have you ever wondered what goes into creating your own t-shirt design? In this class, you will have a hands-on learning experience in our newly renovated Makerspace, where you will be guided through the step-by-step process of designing and creating your own wearable art. You will learn how to use the Adobe Photoshop software, heat press and other tools to create a custom shirt and other crafts to share your skills at the end of the session.

#### Into the Swing of Things: Building a Repeatable Golf Swing

This class is designed for those who want to learn how to play golf. You will learn proper stance, grip and swing techniques in a boot camp format. The class will also cover the rules and etiquette of golf. By the end of the class, you will know how to navigate the golf course and play with proper etiquette.

### **Session 4: July 24 – 27**

#### Game Design

Have you ever played a video game and wondered, "How did this game start out from a few lines of code?" By the end of the class, you will understand the basic components behind video game creation that include programming basic interactions between the player and the game, as well as the philosophy behind video game design.

#### Financial Literacy

From budgeting and saving money to managing debt, you will gain a crash course in financial literacy and fiscal responsibility in this class. Through hands-on activities, you will learn relevant skills, including managing a salary, buying a car and avoiding debt. By the end of this class, you will understand how to make financially-smart decisions for your personal, academic and professional endeavors, from college expenses to important purchases.

#### Programming with Python

Python is one of the most popular computer programming languages in the world. Programmers have used Python to create websites, automate tasks and conduct data analysis. In this course, you will be introduced to Python and use your new knowledge to complete Python-related challenges.

#### Comparative Zoology

Through a series of investigative animal dissections, this class will provide a hands-on look at animal anatomy and how anatomical adaptations are used to help them survive in the wild. By the end of the class, you will understand how a zoologist studies and compares animals to understand their complex body systems.



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# TGR LEARNING LAB EXPANDED LEARNING PROGRAM - SUMMER PROGRAM REGISTRATION FORM

Summer Application Deadline: Friday, June 2  
Grades 7 – 12

Check one:  TGRLL Member (\$30 per class)     Non-Member (\$40 per class)

Please insert the classes and sessions you wish to attend.

Session Number	Class Title (first choice)	Class Title (second choice)	Fee
<b>Total</b>			

### Student Information (Please print clearly.)

First Name \_\_\_\_\_ Middle Initial \_\_\_\_\_ Last Name \_\_\_\_\_  
 Student's Home Address \_\_\_\_\_ Apt. # \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
 Home Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_ E-mail \_\_\_\_\_  
 School \_\_\_\_\_ Grade in Fall 2023:  7<sup>th</sup>  8<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>  
 Birthdate \_\_\_\_\_ Gender:  Male  Female  Non-binary

### Ethnicity: (check one)

- American Indian/Alaskan Native  Cambodian  Hawaiian  Laotian  Tahitian
- American Indian/White  Chinese  Hispanic/Latino  Other Asian  Vietnamese
- Asian Indian  Filipino  Japanese  Other Pacific Islander  Korean  Samoan
- White/Non-Hispanic  Black/African American  Guamanian  Other, Not Specified

### Parent/Legal Guardian Information

Parent/Legal Guardian's First/Middle/Last Name \_\_\_\_\_  
 Relationship to the child \_\_\_\_\_ Home Language \_\_\_\_\_  
 Address (if different) \_\_\_\_\_ Apt. # \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
 Home Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_  
 Work Phone \_\_\_\_\_ Work Email \_\_\_\_\_

### Health History

List any illness or medical condition staff should be aware of: \_\_\_\_\_  
 List any medications the child is currently taking: \_\_\_\_\_  
 List any allergies (including food) staff should be aware of: \_\_\_\_\_

### Method of Payment (check one)

- Cash  Card

### Staff Use

	Date	Staff
<b>Application</b>		
<b>Grade Verification</b>		
<b>Payment</b>		
<b>Acceptance Letter</b>		