



## TGR LEARNING LAB, O.C.

# 2019 SUMMER EXPANDED LEARNING PROGRAM APPLICATION

Grades 7-12

Application Deadline: **May 31, 2019**

Dear Prospective TGR Learning Lab Student,

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

**Description of Summer Program:** The TGR-LL is offering summer classes for students who are interested in a hands-on, interactive, career-focused experiences. Classes are open to students who will be entering the 7<sup>th</sup>-12<sup>th</sup> grades in the Fall of 2019.

**Timeframe:** Classes are held Monday – Friday from 1:00 p.m. – 4:00 p.m. There are four weeks to choose from, and students may register for one class per week.

**Fees:** The cost is \$35 per class for TGR-LL members and \$45 per class for non-members. To be a TGR-LL member, students must have participated in a program at the TGR-LL. 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 July 8 to August 2. To replace a lost or misplaced ID Badge there will be a \$5 charge. All students must wear their ID badge after his/her first day of the summer program to have 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 application, grade verification and payment by mail or drop off at the TGR-LL

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

**Cancellation Policy:** If a refund is requested, it must be submitted, in writing, at least 15 business days before the start of class. No refunds will be granted after this time.

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

TGR Learning Lab  
One Tiger Woods Way  
Anaheim, CA 92801

## **Session 1: July 8 – 12**

### Competitive Golf

Are you ready for the upcoming golf season? This class will prepare you for any form of golf competition with fundamentals, course management and etiquette. You will gain confidence and increase your level of enjoyment while lowering your scores.

### Design & Engineering Lab

The Design Process is what turns ideas into creations. Together, we'll learn the process and tools that engineers use to create products that we all use every day! Is there anything you've been wanting to create or redesign? You will work on a project of your choice and turn your idea into a reality!

### Entomology: The Study of Bugs

Did you know that there are more than one million species of insects on Earth? There are far more insects than almost any other category of animals including humans. Come learn about how much this planet depends on them as pollinators, food sources and how scientists can use them as indicators of ecosystem health. Be prepared to catch samples for research!

### Intro to Web Design

Have you wondered what the internet is and how web pages are created? In this course, you will learn to use HTML and CSS to create and design your own website. You will also learn about the technology behind the internet.

### Side-Scrolling Game Design

This class will introduce you to the world of video game design. You will learn how to use the Clickteam Fusion 2.5 software and its many features to create your very own side-scrolling video game.

## **Session 2: July 15 – 19**

### City Planning

What kind of city do you want to live in and how can your city be improved? City Planning gives you a chance to explore what it would take to make your dream city a reality. You will take on the role of a city planner to create and present a unique model of a city that is designed to meet the needs of its residents and encourages a healthy ecosystem in each of the required zoning areas—residential, commercial and industrial.

### Drawing with Adobe Illustrator

Adobe Illustrator is a professional software that graphic designers use to create drawings. Learn this powerful tool, often used to create greeting cards, and design your own Cubecraft character.

### STEM & Photography

Did you know that photography can be both a science and an art? Through capturing and analyzing photographs, we will explore the science of light and optics, the math involved in ratios and proportions, as well as the technology and engineering behind different types of cameras. You will also produce a small portfolio of photographs to capture what you learned!

### World of Atoms

We are constantly surrounded by solids, liquids and gases that chemically react on Earth, in our homes and in our bodies. Experiment with common chemicals to create something exciting and new. Come see, hear and taste the science of chemistry.

## **Session 3: July 22 – 26**

### Biomechanics of Golf

Professional golfers can generate clubhead speeds over 110 miles per hour that result in drives over 310 yards. This is made possible by a biomechanical golf motion that incorporates ground force, kinetic sequence and core stability. Learn how to build a biomechanical motion in your swing through innovative games, exercises and challenges.

### Civil Engineering

Do you enjoy working with your hands and building things? If your answer is "YES!" then this is the class for you. Learn how civil engineers use the application of physical and scientific principles to help them with architectural designs. In this class, you will use the engineering design process to design, build and test your structures. Select this class to learn what it takes to be a civil engineer!

### Exploring the Universe and Back

Are you interested in space? Do you want to learn more about the universe and our place in it? In this class you will learn benefits humans have experienced directly through space exploration. You will also learn how scientists estimate the vast differences between Earth and other planets, as well as the moon and stars. You will also explore the forces of flight as you launch a rocket and return to Earth safely.

### Side-Scrolling Game Design

This class will introduce you to the world of video game design. You will learn how to use the Clickteam Fusion 2.5 software and its many features to create your very own side-scrolling video game.

### Wildlife Biology

Join this class to become a wildlife biologist and conduct research on large predators, create field journals, study animal behavior, test the health of an environment and use technology to help monitor and protect animals in the field.

## **Session 4: July 29 – August 2**

### EV3 Robotics

In this advanced STEM-based class, you will use the LEGO Mindstorms EV3 Robotics System to build and program robots. You will learn construction and programming with the EV3 intelligent brick using servo style motors, touch, color, gyro and ultrasonic sensors. You'll also learn to build a wide variety of robots and program them to move, react and make sounds to solve daily game challenges.

### Food & Fitness Science

Are you eating the correct nutrients to power your mind and body? Step into the kitchen and learn the science behind what keeps your body energized. Explore your favorite foods to recreate them in nutritious ways. Discover a variety of fun workouts, such as yoga and circuit training.

### STEM & Photography

Did you know that photography can be science and an art? Through capturing and analyzing photographs, we will explore the science of light and optics, the math involved in ratios and proportions, as well as the technology and engineering behind different types of cameras. You will also produce a small portfolio of photographs to capture what you learned!

### Marine Biology

Marine biologists have been able to research unknown ecosystems and organisms underwater through the use of technology. Discover how scientists and engineers are incorporating technology into the field of marine biology to explore various zones of the ocean.



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## TGR LEARNING LAB, O.C. EXPANDED LEARNING PROGRAM - SUMMER PROGRAM REGISTRATION FORM

Summer Application Deadline: May 31, 2019  
Grades 7 – 12

Check one:  TGR-LL Member (\$35 per class)       Non-Member (\$45 per class)

Please select 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 2019:  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

### 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
Application		
Grade Verification		
Payment		
Acceptance Letter		