



## TGR LEARNING LAB, O.C.

# 2018 SUMMER EXPANDED LEARNING PROGRAM APPLICATION

Grades 7-12

Application Deadline: **June 1, 2018**

Dear Prospective TGR Learning Lab Summer Member,

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 experience. Classes are open to students who will be entering the 7<sup>th</sup>-12<sup>th</sup> grades in Fall 2018.

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

**Fees:** \$35 per class for TGR-LL members; \$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 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 entire duration of the Summer Program from July 9 to August 3. Lost or misplaced ID Badges will result in a \$5 fee for a new one. 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. Classes have a limited number of spaces so 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 a student's most recent report card is required to verify current grade level. Applications will not be processed without a copy of student's most recent report card.

**Cancellation Policy:** If a refund is requested, it must be submitted, in writing, at least 10 calendar days before the start of class. No refunds will be granted after this time.

Thank you. 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 9 – 13**

### Biodiversity & Entomology

Did you know that there are over 1 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!

### 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 many architectural designs. In this class, you will use the engineering design process to design, build and test your structures. Come and explore what it takes to be a civil engineer!

### 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.

### Drawing with Adobe Illustrator

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

### 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.

## **Session 2: July 16 – 20**

### City Planning

What kind of city do you want to live in and what can be done better in your city? City Planning gives you a chance to dream about your future cities. You will take on the role of a city planner to create and present a unique model of a city that is laid out in a manner that meets the needs of people and encourages a healthy ecosystem in each of the required zoning areas—residential, commercial and industrial.

### 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. Come build a wide variety of robots and program them with a computer to move, react and make sounds to solve daily game challenges.

### Human Body Lab: Exploring Biomedical Careers

Are you interested in applying your passion for science to improve people's health and well-being? Through hands-on activities and games, we will explore the anatomy of the human body, the cause and spread of diseases and the wide 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.

### Secrets of the Short Game

Golf is about producing low scores and the short game is 60% of your strokes taken. By learning the secrets of the short game, you will gain confidence of proper golf fundamentals, understand cause and effect of ball flights and make better decisions in shot selection resulting in lower scores.

### 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 3: July 23 – 27**

### Biomechanics of Golf

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

### 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. Come build a wide variety of robots and program them with a computer 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. Be active today!

### Wildlife Biology

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 30 – August 3**

### Distance Control and Accuracy

Golfers carry 14 clubs in a bag because each club has a purpose, to hit a golf ball a certain distance. Learn how to control your distances and increase your accuracy through clever drills and fun exercises that reinforce proper golf fundamentals in a safe, nurturing learning environment.

### 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 the benefits humans have directly experienced because of space exploration. You will also learn how scientists estimate the vast difference between Earth and the planets, moon and stars. You will explore the forces of flight as you build a rocket to come back to Earth safely.

### My Best SELFie

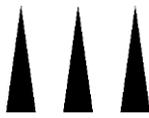
Being a teenager living in the real and digital world can be like riding an intense rollercoaster with many ups and downs. It can be challenging to be our best selves in the face of challenges and pressures from ourselves and others. Through hands-on activities and honest discussions, you will develop a stronger understanding of your mind, relationships and how to navigate the real and digital world, as the best version of yourself. #mybestselfie

### 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.

### 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.



TGR FOUNDATION  
A TIGER WOODS CHARITY

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

Summer Application Deadline: June 1, 2018

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 2018:  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 \_\_\_\_\_ Gender:  Male  Female  
 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		