

## SUMMER PROGRAM REGISTRATION FORM

**\$2500.00**  
**4 Weeks**

Please complete this registration form, and mail check to:  
**STEM3 Summer Program STEM3 Academy | Attn: Tamika DeCambr**  
**6455 Coldwater Canyon Ave., Valley Glen, CA 91606**  
**818.623.6386 | tdecambra@stem3academy.org | www.stem3academy.org**

Name Of Student \_\_\_\_\_ Current Grade \_\_\_\_\_

Name of Parent(s) \_\_\_\_\_

Mailing address \_\_\_\_\_ City \_\_\_\_\_

Zip \_\_\_\_\_ Home Phone \_\_\_\_\_ Business Phone \_\_\_\_\_

Please Select Grade:  Elementary  Middle School  High School

### High School students please fill out below:

**HIGH SCHOOL PERIOD 1:** Please rank your choices from 1-3 on the following:

\_\_\_\_ Entrepreneurship    \_\_\_\_ Math in History    \_\_\_\_ Remediation

**HIGH SCHOOL PERIOD 2:** Please rank your choices from 1-3 on the following:

\_\_\_\_ Producing an Animation    \_\_\_\_ Big Data Statistical Analysis    \_\_\_\_ Creative Writing

### Elementary and Middle School students please fill out below:

**ELEMENTARY AND MIDDLE SCHOOL PERIOD 1:** Please rank your choices from 1-2 on the following: \_\_\_\_ The Physics of Fun    \_\_\_\_ Remediation

**ELEMENTARY AND MIDDLE SCHOOL PERIOD 2:** Please rank your choices from 1-2 on the following: \_\_\_\_ Engineering, Art and Design    \_\_\_\_ Creative Writing

**STEM<sup>3</sup> ACADEMY**  
**GRADES K-12**



**2017**  
**SUMMER**  
**SCHOOL**

**VALLEY GLEN CAMPUS**

**JULY 10TH-AUGUST 4TH 2017**

**8:30AM-1:00PM**



For bright, curious, technology-driven students grades K-12  
with social and/or learning differences

**OUT OF THE BOX STUDENTS. LEARNING. RESULTS.**

# HIGH SCHOOL



## ENTREPRENEURSHIP

Ever wanted to start a business of your own? Hundreds of new successful businesses are started from scratch every day – think Facebook, Instagram, Amazon, Google, Apple, and many more. You'll learn how to refine your idea, prepare a business plan, and bring your idea to reality. Students will start and run a business as part of the course.



## PRODUCING AN ANIMATION

Students will produce a stop-motion video. In the process they will learn how to write a script, plan and build props, film using stop-motion techniques, and learn about sound editing. The focus of the class will be on collaboration and on creating a narrative. In this way they will learn technical movie skills like how to animate the background by using a green screen, but also how to create a message for an intended audience. Thinking about the audience experience will help them understand context and messaging, while having fun.



## BIG DATA STATISTICAL ANALYSIS

Enter into one of the most promising and in-demand fields – the analysis of data. Learn the fundamentals of statistics, and how to apply statistical methods to sorting data of all kinds: biological, environmental, celestial or commercial. Learn how to sort data to make meaningful predictions, and take the first step towards a very promising career!



## MATH IN HISTORY

Mathematics has been present for all recorded history, with evidence of counting dating back 50,000 years! Take a journey through time, investigating the practical reasons that certain mathematics came about and how they're applied. Drop in on famous mathematicians, from Euclid to Cantor, and develop a better sense of contemporary mathematics, the relationships of its parts and their uses. The class will include fun math projects and puzzles.



## REMEDICATION

This course is for specified students only to make up a class, remove an incomplete, or engage in a special project. Approval from an administrator is required prior to registration.



## CREATIVE WRITING

Find your writing interests, identify your strengths and develop valuable writing techniques in this course for beginning and more practiced writers. Assignments help you discover your talents in a variety of forms: brief fictional scenes, short stories, poetry and creative nonfiction. The supportive atmosphere allows you to see how others respond to your work, and you finish the course with a concrete plan for future writing.

# ELEMENTARY AND MIDDLE SCHOOL



## THE PHYSICS OF FUN

Investigate physical concepts such as friction, gravity, trajectory and thrust through the construction of roller coasters, bow and arrows, and rockets. Divide into teams to see who can fire the farthest, the highest, and come closets to a set target. The class will build a variety of constructions to test physical concepts and principles all while having loads of fun.



## ENGINEERING, ART AND DESIGN

Students learn 3D design using open source and proprietary software such as Tinkercad, 1, 2, 3D Design and SOLIDWORKS to 3D print on the school's five 3D printers. They develop constructions of all types including machines, tools, and prototypes using different materials such as wood, metal, and paper. The course is as much a focus on the art of engineering as on the engineering of art, and there will be many opportunities to develop art projects, which include painting and drawing.



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```
def add5(x)
    return x+5
def dotwrite(
    nodename
    label = sym
```

