

# SUNCOAST SCIENCE | 2017

## Faulhaber Fab Lab

# SCIENCE CAMPS!

Open to students entering grades 4th - 8th  
for the 2017-2018 school year

June 12<sup>th</sup>-August 4<sup>th</sup> | 8:30am-12:00p  
Week-long themes | ONLY 15 students per camp | All supplies included

### **Ocean Exploration (4<sup>th</sup>-5<sup>th</sup> & 6<sup>th</sup>-8<sup>th</sup> grade) - \$200**

Come join us as we set sail on a STEM voyage! We'll explore our oceans, construct boats, build a biosphere in a jar, meet a marine biologist, and examine the inner workings of a squid. We'll be sure to have a blast!

### **The Art of Science (4<sup>th</sup>-5<sup>th</sup> & 6<sup>th</sup>-8<sup>th</sup> grade) - \$200**

We are going full STEAM ahead as we explore how art influences science and science influences art. Utilizing our Fab Lab and our scientific knowledge we will examine the science behind great works of art and try our hand at making our own masterpieces!

### **Maker's Week (4<sup>th</sup>-5<sup>th</sup> & 6<sup>th</sup>-8<sup>th</sup> grade) - \$200**

Have an urge to make and create? Then this is the camp for you! You will complete a design challenge every day, learn how to use our favorite fab lab machines, and have some time to test your skills on the machines to create something uniquely yours!

### **Escape Room Engineering (4<sup>th</sup>-5<sup>th</sup> & 6<sup>th</sup>-8<sup>th</sup> grade) - \$200**

Do you love solving puzzles? Join us as we turn the Fab Lab into our very own escape room! We'll make puzzles, solve riddles, and maybe program a robot or two! This camp will stretch your mind and force you to think outside the box!

### **Ingenious Inventions (4<sup>th</sup>-5<sup>th</sup> & 6<sup>th</sup>-8<sup>th</sup> grade)- \$200**

Using the engineering design process students will creatively solve real world challenges and explore ingenious inventions of the past! Camp highlights include making a trebuchet, toasting marshmallows in a solar oven, and creating your own invention.

### **Ready, Set, Rockets (4<sup>th</sup>-5<sup>th</sup>)- \$200**

Are you the next Elon Musk? Learn the basics of aerospace science and physics to build and launch a custom rocket. Design your own body style, laser cut fins, and choose your own payload for maximum rocket fun!

### **Awesome Arduino (6<sup>th</sup>-8<sup>th</sup> grade) - \$200**

Explore the world of electronics and programming with Arduino. Learn how to program and use sensors to create instruments you can play with the wave of your hand, secret code locks, and lights that respond to your touch or mood. This camp is great for beginners to Arduino.

### **Arduino 2 (6<sup>th</sup>-8<sup>th</sup> grade) - \$200**

If you enjoyed Awesome Arduino, then you will have a blast with Arduino 2, with even more Arduino fun and a take home project too! This year we are offering an advanced class to any of our Awesome Arduino alumni who wish to continue their arduino education.

## 2017 Schedule (Grade level applies to grade student will enter for the 2017 - 2018 school year.)

JUNE 12-16  
Ready, Set, Rockets (4th-5th)  
Ocean Exploration (6th-8th)

JUNE 19-23  
Ocean Exploration (4th-5th) Maker's  
Week(6th-8th)

JUNE 26 - JUNE 30  
Ready, Set, Rockets (4th-5th)  
Escape Room Engineering (6th-8th)

JULY 31-Aug 4  
Escape Room  
Engineering(4th-5th)

JULY 10-14  
Art of Science (4th-5th)  
Awesome Arduino(6th-8th)

JULY 17-21  
Maker's Week (4th-5th)  
Arduino 2 (6th-8th)

July 24-28  
Ingenious Inventions (4th-5th)  
Art of Science (6th-8th)

Ingenious Inventions  
(6th-8th)

## CONTACT US!

www.suncoastscience.org | info@suncoastscience.org  
4452 Beneva Rd, Sarasota FL, 34233 | (941) 840-4394