

# steAm lab

Hands on approach for creative and memorable learning tailored to each age group from preschool to 8th grade.

The word Biology is made up of two smaller words, "bio" and "logy." Bio means life. Logy means a study of science. When we put these two words together, what do we get? Bio-logy, or Biology, the science of life. Students will investigate; insects, life cycles, learn a variety of classification methods; habitats and adaptations.

## Preschool STEAM

**SLP101 - Biology Beginnings** - interactive experiments and STEAM challenges introduce students to the basics of biology.

September 11-October 16, 2018  
Tuesday Mornings 10-11:30  
or Tuesday Afternoons 12:30 -2

**Instructors:** Diane Whiteman and Rachel Squires

**Class Fees:** \$125 each session. Inquire about multiple class discount

## K-6th Grade STEAM

### Topics to be explored

Week 1: Insects  
Week 2: Life Cycles  
Week 3: Classification (Part 1)  
Week 4: Classification (Part 2)  
Week 5: Habitats  
Week 6: Adaptations

### **SLRH201-2 Biology Basics and Beyond – K through 2nd Grade Classes**

Wednesdays, 5:30 - 7 pm  
October 3, 10, 17, 24, November 7 and 14

**Instructor:** Rebecca Heick

**Class Fee:** \$125

### **SLRH201-6 Biology Basics and Beyond – 3 through 6th Grade Classes**

Thursdays, 5:30 - 7 p.m.  
September 6, 13, 20, 27, October 4, 11

**Instructor:** Rebecca Heick

**Class Fee:** \$125

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# 3-8th Grade STEAM

## **Introduction to Basic Electronics, Electronics components and hands-on projects**

Students will be introduced to the basic properties of electricity and electronics. They will learn the fundamentals behind circuitry and how circuits are used in all of the technological devices we use today. An overview of a simple circuit, followed by paired students' testing of the kits provides insight into the types of circuits and compares the differing properties of series circuits and parallel circuits. Students will be able to re-create circuits of various functionalities such as shining a light bulb, spinning a motor, or both. They will be able to manipulate these circuits and create their own circuits using the components provided in the snap circuit kit.

### **SLMM301 – Beginners: Learning circuits**

**(3rd to 8th Grades)**

Mondays

August 27, September 10, 17, 24, October 1, 8

5:30 - 7:30 p.m.

**Class Fee:** \$125    **Material Fee:** \$25

**Instructors:** Niketan Mourya and Samuel McCullum

### **Fun Filled adventures for kids. An introduction to artistic, practical design and communication.**

Students will learn physics concepts and basic mechanics to prepare for the two major projects. Students will build a working hovercraft.

Cardboard Pinball Machines will use general construction and computer programming.

### **SLMM302 – TEAM ASSEMBLY (3rd to 8th Grades)**

Wednesdays

August 29, September 5, 12, 19, 26, October 3

5:30 - 7:30 p.m.

**Class Fee:** \$125    **Material Fee:** \$25

**Instructors:** Niketan Mourya and Samuel McCullum

***Please fill out this registration/permission form, then mail or drop off with your check payable to:***

### **BERESKIN Gallery & Art Academy**

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