

# Winter 2017 Saturday Workshops!

[click HERE to enroll online](#)

## Buffalo Grove

Meridian Middle School  
2195 Brandywyn

January 21, 28, February 4  
1:30-4:00 p.m.

Grades PreK-7

Tuition:

All 3 Saturdays: \$135

Individual days: \$45 each

**Science and Art:** Can science experiments create art? Can art be found in science? Discover answers as you explore both science and art through creative, hands-on experiments and projects. **(PreK-K)**



**Science Puzzlers:** Investigate unusual scientific phenomena. Discover the wonders of science through hands-on experiments. **(K-2)**

### **MaKey MaKey Makers Space:**

Design, create, and program with MaKey MaKey microcontrollers and all kinds of materials, from egg whisks, tin foil, and cardboard to play dough, fruits, and vegetables. Bring your creativity and imagination! **(3-7)** (\$5/day lab fee)

**Engineering Escapades:** What constitutes a sound design? How much weight can your bridge hold? Can your building withstand an earthquake? How accurate is your catapult? Tackle STEM challenges via hands-on design and building projects **(4-7)** (\$10/day lab fee)



**Art Studio:** Does art ignite creativity in you? Explore a variety of media while experimenting with a range of artistic styles and techniques. Each workshop will focus on a different form of artistic expression. **(1-7)**

**Microbiology and More!** View amazing sights through a microscope and grow your own petri dish culture! Have fun learning about bacteria, viruses, fungi, and parasites, and how advances in sanitation and medicine have changed the world! **(3-5)**

**Lego WeDo Robotics:** Explore principles of engineering and programming. Select from a dozen plans to build robots, such as alligators, birds, and soccer players, with Legos, motors, gears, and sensors. Connect your robots to a computer to program actions and sounds. Experienced students may try their hands at designing their own robots. **(K-4)** (\$5/day lab fee)

**Lego Mindstorms Robotics:** Tackle engineering challenges! Construct a robot with motors, gears, wheels, and different sensors attached to a programming brick. Connect to a computer and explore vast programming possibilities. Bring your innovative ideas and be prepared to experiment! **(3-7)** (\$5/day lab fee)

## Arlington Heights

South Middle School  
400 S. Highland Ave.

February 18  
1:30-4:00

Grades K-8

Tuition: \$45

**Lego WeDo Robotics:** See Buffalo Grove course description above. **(K-4)** (\$5 lab fee)

**The Jet Engine:** Investigate flight and the science behind the Jet Age! Explore the mechanics of the Jet engine while constructing an innovative 3D model that you can keep! **(4-8)** (\$5 lab fee)



## Orland Park

Jerling Junior High School  
8851 151st St.

March 25  
1:30-4:00 p.m.

Grades PreK-8

Tuition: \$45

**Engineering Skyscrapers:** Explore science, technology, engineering, and math with an artistic twist through experimentation, design, and construction! **(5-8)**

**Physics of Catapults:** Build a working replica of this ancient weapon! Consider the physics behind the action and incorporate your own personal touch! **(PreK-5)**

**Geometric Constructions:** Engineer and construct geometric designs of various dimensions using materials such as paper, string, straws, toothpicks, and marshmallows. **(PreK-5)**

**Electricity and Squishy Circuits:** What are electric circuits? Use meters and an oscilloscope to study electric current flow, then make circuits to light LEDs, run motors and play sound! **(PreK-5)**