

# LabSpace May/June Schedule 2019



(573) 645-0800

Register at [www.LabSpaceRobotics.com](http://www.LabSpaceRobotics.com)

[LabSpaceRobotics@gmail.com](mailto:LabSpaceRobotics@gmail.com)

## Music and Making- Pre-K

Join us Wednesday mornings from 10-11:15 for some fun maker and play experiences and then a short sing along. We'll rotate between playdough, painting, science experiences, and art projects. Projects will be geared to ages 3+ but may be enjoyed by younger and older children. Adults should stay and participate in play with their child and also get to have some "grown-up" conversations. Tuition is \$4 per maker with a max of \$8 per family. Please register at [LabSpaceRobotics.com](http://LabSpaceRobotics.com) to let us know you're coming. Sessions that don't meet minimum preregistration may be cancelled.

## Robot Lab Grades 4+

Join us for some all new robot challenges! We'll be using the Lego Mindstorms robots. If you've had no experience, we'll have plenty of mentors to help you get going, If you've had some experience, you'll be able to jump right into building and programming.

Wednesdays 5:30-6:30 June 5-26

## MicroPython with Micro:bit

Ready to try some text-based programming? We'll be using the MicroPython to program a micro-controller called the Micro:bit. All supplies will be provided, so come give some text-based programming a try. Ages 10+ with typing skills. Tuition: \$40

Thurs April 25-May 16 2:00-2:50

## Game Design

Build and design your own video games using The Games Factory 2 game engine. We'll focus on good programming practices, user interface design, testing and refining our games. The class will work on constructive criticism skills-how to make productive suggestions for game improvement. Tuition: \$60 for 4 one-hour sessions. We encourage students to get a copy of The Games Factory 2. It is available on Amazon for about \$25. We get lots of programming done in class, but game design takes time and having access to the program at home will allow students to practice what they've learned. Level 1 is for beginners.

*Level 1-Fri 6:00-7:00 May 10, 17,31 and June 7*

*Level 1 - Wed 5:30-6:30 June 5-26*

*New project game design class! If you've had a level one class, join us to program a new game! Mr Max has lots of new ideas. We know it's summer, so if you'd have to miss one of the classes, we will try for a make-up class, or we'll prorate the class for you. Tuition: \$60*

*Fridays 6-7 June 14, 21, 28 and July 12*

## Mad Scientists:Engineering

Our Wednesday Mad Scientists will be learning about engineering in June. You'll have at least 2 projects to take home. Ages 5-8

*Wed 4:30 -May 1-22 Teacher: Miss Annette*

*Wed 4:30 - June 5-26 focus: Engineering*

## Mad Scientists

Our Friday class will be enjoying lots of hands-on science activities for ages 5-8.

Fri 5:30-6:15 May 17, 31, June 7 and 14

## STEM Club: Engineering

Grades 2-4-STEM Club will focus on engineering skills on Wednesdays in June. We'll have at least 2 projects you'll be able to take home.

*Wed 5:30-6:15 June 5-26*

## ISL STEM Labs

School is over and Mrs. Markway is back and ready for some summer fun with you!!! This year brings fun new STEM activities for elementary and middle school ages. Day camps, week camps and seasonal clubs are open for registration.

**ISL Math Stinks** is our newest adventure. For anyone who admits to not liking math, I challenge you to say that after a few hours in Math Stinks! Please see the summer camp flyer for more information!

**ISL STEM Lab** is a continuation of all the fun Mrs. Markway has been sharing this past semester. Physics is our passion with some dabbling in Chemistry, Biology & Engineering. Please see summer flyer.

**ISL GEMS (Girls Exploring Math & Science)** Sorry boys, this is a girls only group for rising 4th-7th graders. Tuesdays, biweekly 5:30-6:30, June 4, 18, July 9, 23, Aug 6. Pizza Party August 6. Tuition: \$60

**ISL Quarks** is for rising 6th-8th graders to explore more physics, chemistry and math. Tues 6:30-7:30 on June 4, 18, July 9, 23, Aug 6. Pizza Party August 6. Tuition: \$60

## SumoBot Challenge

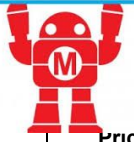
We'll be meeting the first Saturday of every month from 1:00-3:00 for SumoBot Challenge. No experience necessary. We provide basic instructions and will have lots of mentors ready to share ideas. When you have your base robot built, you can start modifying it as you battle and experiment with different designs that help your robot push others out of the ring.

This is a great family or friend event. We recommend 1-2 people to a team.\$20 per team. If your family would like a second robot set to work with, the cost will be an additional \$10.

Join us Saturday, June 1 for our first day of battles!

# LabSpace Maker Camps Spring 2019

Maker Camp



	Description	Ages	Date(s)	Price
<b>Storybook Maker Camp</b>	<p>In this 60-90 minute cross-curriculum class we'll read a picture book and make a related project. Classes will focus on concepts such as engineering, science, problem solving, critical thinking, etc. Additional reading lists will be provided so you can continue exploring at home.</p> <p>We'll be making our own seed paper we can plant and reading two stories. Hope you can join us!</p>	Pre-K-Grade 2	4/1 10:30-12:00	\$5, max of \$10 per family
<b>Basketball Shooter Game</b>	Build a basketball shooting game. You'll use boards, spoons, and duct tape to create your game. Take time to decorate it and then start shoot marbles, paper wads, and pom poms into the basket!	7+	Sat, May 18 10:00-11:00  Thur, June 6 10:00-11:00	\$7 per maker
<b>SumoBot Challenge</b>	No experience necessary! Come build a robot and then remote control it to try to bush others out of the ring. There will be plenty of time for lots of battles and experimenting with designs and driving. Tuition is \$20 per team, so grab a friend or come as a family team. This activity works best with 1 or 2 on a team. Sumo is the first Saturday of each month from 1:00-3:00 beginning on June 1.	8+	First Sat of each month 1:00-3:00 beginning June 1	\$20 per team.
<b>Stomp Rockets</b>	Explore the power of air by creating your own stomp rockets. A family may build 1 launcher and as many rockets as you like.	8+	Sat, June 1 10:00 Thur, June 14 10:00	\$15 per family
<b>Cardboard Grabber</b>	Build a basic "grabber" from instructions and then experiment to find ways to make it better! You'll get to take your grabber home with you. Ages 7+ can do this independently, younger are welcome with a hands-on helper.	7+	Thur, May 23 10:00-11:00	\$5 per maker  Max of \$10 per family
<b>Robot Workshop</b>	<p>We're going to build a robot!! Join us, no experience necessary we'll build and then program our robots to complete some fun challenges. Each student will have their own robot and computer. If a family has 2 children that would like to share, there would be no extra charge for the second child.</p> <p>This class will satisfy the requirements for the Girl Scout Robotics Badge 1 and the Cub Scout Merit badge. Non-scouts are welcome in this class.</p>	8+	Sat, May 11 9:30-11:30  Or  Thurs, May 30  1:00-3:00	\$25 per robot

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