

Little Bits Electronics

Using *LittleBits*, a platform of easy –to–use electronic building blocks, students will be exposed to experimentation and playful thinking that will produce unique and creative outcomes, which reach across many areas of the curriculum. Students who select this workshop may be interested in creating a science fair project that incorporates *LittleBits* empowering students to invent, construct, and solve real-life situational problems.

Marble Mazes and More!

Come and test various marble mazes created by fifth graders and become a judge in the “Marble Run” contest.

Students used the laws of motion in order to create the slowest marble run possible! Which design will win? If you attend this session, you will understand the importance of repeated trial & data collection and will gain ideas as to how to create a science fair project which involves design and construction.

TINKER CAD Grade 5 only

Use *Tinker Cad* to redesign an existing object which will result in producing the improved object using a *3-D printer*. The workshop provides the introduction to this project. Follow-up support will be provided.

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The 6th Annual STEM Symposium

**Sayville Schools
and
The Elementary
PTA's present...**

**The STEM
Symposium**



**Tuesday
January 12, 2016**

6:15-8:30 pm

**For 3rd, 4th & 5th grade
students and parents**

**Sign up for I, II, or
all III sessions!**

Symposium Offerings

Select 3 workshops and mark your choices on your registration form. **Return your registration form to your school office by December 17, 2015.**

Workshops will be honored on a first come, first serve basis.

The Scientific Playroom

Come and explore with science equipment and materials. Have fun and possibly develop a science fair topic!

Code Monkey

Participants will gain experience in the art of coding! *CodeMonkey* is available online and teaches programming in a real language called *CoffeeScript*. Students will learn to write lines of code which allows a monkey to catch bananas!

Sayville Public Library

Join staff from the Sayville Public Library, to learn about library resources which will help you select a science fair topic to help develop your experiment!

BOUNCING BALLS

Calling all sports fans! Come and learn about some of the variables which may impact the outcome of a ballgame! This activity will demonstrate the importance of the scientific method including repeated trials and data collection.

SYMPOSIUM WORKSHOPS

Birds of Prey

SESSION #1 ONLY

Sweetbriar Nature Center will be presenting a “*Birds of Prey*” Program at 6:15 pm. Meet live raptors which have been injured, rehabilitated at Sweetbriar, and can’t be released back into the wild. Listen to their stories of how they were injured and why they are non-releasable. Families will meet owls, falcons, and a hawk, and learn about the adaptations that help these amazing creatures survive.

How to Create a Winning Science Fair Display Board

Learn how to put together a display board that is as amazing as your science experiment! Sayville High School students will show you how to set up your display board correctly. Judges will view your board with ease.

TOWER POWER Building Design

Participants will compete in small groups to create a box, made only from paper. Which design can support the greatest weight? (Can you beat our record of 42 pounds?) Experience the difference a “*variable*” can make, and learn how to create a similar project.

The Magic of Chemistry! (Auditorium Show)

Be amazed by the magic of chemistry! Magic tricks and circus skills help explain atoms, molecules, the elements, compounds and more! Watch as a balloon inflates by itself. Witness water change colors and just disappear. See how liquids magically become solid! Is it magic or is it SCIENCE?

