

AFTER SCHOOL STEAM PROGRAM 2018-2019

This is a brand new 3 module after school program that focuses on interdisciplinary applications of all aspect of STEAM (Science, Technology, Engineering, Arts & Math) on an Interactive Stage. Students' objective is to create stagecraft leveraging the science and technology they will tinker and learn. Various robotic games, maker tools and special guests will be introduced to help understand concepts and inspire students to incorporate into their group projects. They will make puppets and props using various art and recycled materials, and woo the audience with special technical effects. Instructors' goals are to build students' interest and confidence in STEM through play.

Fall trimester - A night at the concert

- Scientific Methods
- Science of Lights including shadows, light sources, color wheel
- Math concepts such as timing, beats and color patterns
- Concert stage prop making arts

Winter trimester - Seafair parade in the winter

- Engineering Design Process
- Science of motors including magnetic field, torque
- Math concepts such as measurement of speed, circular motion
- Parade float prop making arts

Spring trimester- Interactive Show

- Arts and sciences of storytelling
- Science of sensor technology and programming logic
- Math concepts such as shapes and 3D spatial perspectives
- Puppet show performance

Accept students from all grades: please note that mentoring/assisting each other in experimentations and play is a critical STEAM learning process for the older students.

Interested parents, please contact Linda Chen at linda@babymonstergroup.com