

# STEM-TASTIC 2015

## ALL EXPERIENCES BY LOCATION

### WEST WING OUTDOOR EXPERIENCES

#### FRONT PLAZA

*Chalk Art: Exploring Ratios by Gavin Simmons* Rain location: 2nd Floor Library Hall

*Drone Demos @ 4pm* Rain location: 3rd Floor South Science Wing

*PT Council: Exploring Magnetism* Rain location: Commons

*Urban Astronomy with Jupiter Joe's Sidewalk Astronomy Team*

#### REAR PARKING LOT (Through Gymnasium Back Doors)

*STEM Skills for Fire Fighting with Town of Mamaroneck Fire Dept.*

### WEST WING HALLS & CLASSROOMS

*Anderson's Books: STEM reading & hands-on projects* Hall

*Hommakes Robo Charms & Bristle Bots* W100

*HMX & MHS First Robotics: Robotics Expo* W100

*Mathnasium: Math demos, Games & Activities* Outside Rm.W100

*Next Level Camp for Girls: STEM Intensive, Sports & More* Hall

*Scratch Workshops @ 4pm & 5pm with MAS's Mr. Cunningham* W100 Computer Lab

*STEM Alliance Information Desk* Pool Hallway

*Tech Expo Extravaganza: Rube Goldberg, Arcades & 3D Printing, 1:30 - 4:30pm* W101

*VIP Lounge (Volunteers Only)* W 103

### GYMNASIUM

*Community Exhibit Hall: Over 25 exhibitors from all grades & beyond*

*Compressed Air Rocket Launching with hTINK* (Rain location only)

*Equinox: Fast Fitness Competitions - Ride & Row*

*Girl Scouts of Larchmont-Mamaroneck: Newspaper Engineering - Domes & Structures*

*Intrepid Air & Space Museum: Gravity & Our Solar System*

*Keva Plank Building Area: 10,000 Pieces for free form work*

*Mamaroneck K-8 Art Department: Recycled Art - Collaborative Repurposing Exploration*

*Radar Read Out Pitching Cage: Physics & Math Clock Your Speed*

### COMMONS

*Alexa's Accessories: Leather stamping & handcrafted accessories*

*Bach 2 Rock: Check out instruments because music is the other "m" in STEM*

*Blue Moon Box: Monthly DIY projects in box mailed to your door*

*Bullseye Glass Co.: Chemistry and design meet with glass fusion*

*Burbio: High-tech community calendar syncing for busy families*

*Chatsworth Flight School: Launch multiple paper planes & race* North Wing Corridor

*Digital Arts Experience: Arduino, 3D printing and more from a local leader in tech education*

*Hudson River Museum: Lunar phases, telescopes & spectroscopy*

*Kool Nerd Clothing: T-shirts that are a movement to inspire & celebrate the creativity of nerds*

*Mathico: Math learning through cutting edge software & technology*

*PT Council: Exploring Magnetism* (Rain location only)

*Need 4 Speed: Conquer the Rubik's Cube algorithm with a little coaching*

*Sheldrake Environmental Center: Artifacts, nature specimens & microscopes*

*Shellcrafts by Gail: Crafting specialist Gail Farrar finds math in nature*

*Shoot: Hand-made, sustainable, bamboo Lacrosse sticks*

*Sunrise Solar Solutions: A Solarize Westchester installer & expert*

*Sylvan Learning: Expos of robotics, coding & game design classes*

*Town of Mamaroneck Sustainability Collaborative: Green infrastructure techniques*

*Trees of Light: Innovator & designer Diana Baker shows her paper lanterns*

## EAST WING HALLS & CLASSROOMS

**Astronaut Kathryn Hire Keynote @ 2pm** Auditorium

*Reserved seating; check at Alliance Concessions table for remaining seats*

**Bach 2 Rock Performances following Keynote** East Foyer

**Bach 2 Rock - Rock City workshop @ 5pm** E 102

**Mario the Magician: Performance @ Noon** East Foyer

**Mario the Magician: Workshop @ 1pm** E 102

**NOEMA: Chocolates with None of the Eight Major Allergens** Hall

**STEM Alliance Raffle, Merchandise & Drink Concessions** Hall

**Sweet & Joyful: Exuberant cookies & treats for a cause** Hall

**Zev Haber: Rhodes Method Keyboarding lessons @ 11am & Noon** E 100

**Raffle Drawing @ 5pm: Win a 3D Printer and much more!** East Foyer

## EAST WING OUTDOOR EXPERIENCES

**Compressed Air Rocket Launching with hTINK** (Rain location: Gym)

**Plates: BBQ & DJ Music with outside seating** Hommocks Road Green Space (rain or shine)

Indoor seating in E101 if it rains

## SOUTH WING

**MacInspires: Soldering workshops starting on the hour** S 108

**Nerdy Derby: Build & race junk cars on a 50' track** Cafeteria

**Various Workshops** S 109

**MHS App Demo @ 11am**

**Veterinarian Workshop @ Noon**

**Veterinarian Workshop @ 1pm**

**FBLA Workshop @ 3pm**

## 2ND FLOOR

### HALLWAY NEAR LIBRARY

**Chalk Art - Exploring Ratios by Gavin Simmons** (Rain location only)

**MAS Gardens: Mini Herbs for International Flavor**

**Mamaroneck Schools Garden Alliance: Plant by Numbers – 4x4 Salad Garden**

**Mamaroneck Schools Garden Alliance: Salad Garden Workshops @ 1pm & 3pm**

Greenhouse

### 2ND FLOOR WEST WING - ALL PURPOSE ROOM (W204)

**Mad Science: Reactions in Action** W204

**Take Apart Zone with Rye Arts Center** W204

### LIBRARY

**Bricks 4 Kidz Lego Workshops hourly: Tappan Zee Bridge & Ferris Wheel Challenges**

**hTINK Soft Circuits: build circuits using unusual materials**

**Larchmont Library: DIY Amplify Workshop @ 4pm & 5pm - Create Your Own Speakers**

**MHS Math Dept. Students & Teachers: Geometric Sculpture Projects**

All day & workshops @ noon & 3pm

**Origami: Beyond the Fold with local parent experts**

**Take Five: Short Brain Teasers for the Young at Heart** from 11am - 3pm

**Theatrical Lighting Design Basics: Where STEM meets ART** (Presentation Room)

**Westchester Children's Museum: Light & Shadow Play**

**Westchester Children's Museum: The Wright Stuff – Wind Tunnel Challenges**

## 3RD FLOOR SCIENCE WING

**Drone Demos @ 4pm** (Rain location only)