



## STEM ALLIANCE OF LARCHMONT-MAMARONECK 2014-15 CALENDAR OF ACTIVITIES

DATE	EVENT TITLE	DESCRIPTION
<b>6 Sessions October 2014 – June 2015</b>	<b>STEAMREAD: A Community Reading Group</b>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Encourage reading books on topics related to Science, Technology, Engineering, Art and Math</li> <li>• Book group meetings to discuss selected books to promote discussion of how these texts relate to enriching and advancing STE(a)M education in our District</li> </ul>
<b>Nov. 12, 2014</b>	<b>Drink, Think and Tink(er)</b>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Fundraiser</li> <li>• Meeting to promote our purpose</li> <li>• Various hands-on learning stations for adults to work with Science, Technology, Engineering and Math (STEM) materials that are also available for their youth</li> <li>• Networking event with local STEM experts, non-profits, parents of youth and District staff members</li> </ul>
<b>Nov. 2014</b>	<b>Hommocks Middle School Robotics Club</b>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> establish our District's first middle school robotics team</li> </ul>
<b>Nov. 2014 – May 2015</b>	<b>Liaison for MHS MasterCard Girls Who Code Club</b>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> connect Mamaroneck High School girls to a year of direct teaching and mentoring around computer coding</li> <li>• Connected MHS to MasterCard Girls Who Code Club</li> <li>• Assisted with identification and enrollment of students</li> <li>• Served as a liaison to collect feedback and improve the program for next cycle</li> </ul>
<b>Dec 8, 2014 – Dec. 12, 2014</b>	<b>Hour of Code</b>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Promote computer science education</li> <li>• Multiple events lead by District Staff across all six schools in the District</li> <li>• Led by District staff and promoted by the STEM Alliance, all youth in the District had an opportunity to learn how to code or advance their coding skills for at least one hour over the course of the week</li> </ul>

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<p><b>January 2015 – March 2015</b></p>	<p><b>Tinkering Nights</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Promote discussion of how to encourage constructive and creative integration of STEM learning through informal activities at home</li> <li>• Meetings led by STEM Alliance members who will discuss and exhibit several hands-on STEM activities that can be conducted at home</li> </ul>
<p><b>Mar. 21, 2015</b></p>	<p><b>Explore Your Opportunities Conference for 7th Grade Girls</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Connect middle school girls with female mentors and role models in STEM Fields</li> <li>• Identified and recruited 7th Grade girls to attend day long conference</li> <li>• Provided transportation and Girls in STEM shirts to encourage group bonding and purpose</li> </ul>
<p><b>May 15, 2015</b></p>	<p><b>MHS Talks</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Provide opportunity for high school students to engage with leading STEM experts to learn about career opportunities and paths</li> <li>• 70 experts were featured in small roundtable discussions with seniors at Mamaroneck High School, moderated by district staff and STEM Alliance volunteers</li> <li>• Informal reception gave students an opportunity to speak one-on-one with experts</li> <li>• Engaged high school alumni and other community members to share their experience and passion for their work</li> </ul>
<p><b>May 16, 2015</b></p>	<p><b>STEM-tastic Saturday</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To connect all community members with the joy of constructive inquiry through hands-on STEM learning as well as the connection between such learning and STEM jobs of the future</li> <li>• A day-long festival of STEM learning activities that allowed attendees to learn across multiple STEM disciplines by touching, making, taking things apart, asking questions and playing at on-going activities, workshops and more</li> <li>• Over fifty experiences that included: vendors, drone &amp; robotics demonstrations, a community exhibit hall, professional exhibitors and a Keynote Speech by NASA Astronaut Capt. Kathryn Hire</li> <li>• MHS Talks stimulating conversations with leading STEM experts,</li> </ul>

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<p><b>May 30, 2015</b></p>	<p><b>SoundWaters Science Sail</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To inspire local residents to participate in science on a floating science classroom on Long Island Sound</li> <li>• Serve as a media partner to bring the Schooner to our local harbor to make this experience highly accessible to our local families</li> <li>• STEM curricula focuses on ecosystems of Long Island Sound, animal adaptations, properties of water, nautical engineering and human impact on the Long Island Sound ecosystem.</li> </ul>
<p><b>July 2015 – August 2015</b></p>	<p><b>Maker Corps</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To increase engagement of youth and families in “making” by bringing creative learning experiences to a local summer camp for at-risk students</li> <li>• The STEM Alliance serves as a liaison to facilitate annual participation in the national Maker Corps initiative</li> <li>• The STEM Alliance promotes the job positions, organizes meetings with the Maker Corps Mentors and the adult leader from the camp to coordinate discussions of supplies and facilitates their work as needed throughout the summer camp</li> <li>• The STEM Alliance assists with the administration of all paperwork for registration with Maker Corps as well as post-Camp evaluations</li> </ul>
<p><b>TBD</b></p>	<p><b>STEM Summit</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> Engage various community members in a process of writing coordinated and sustainable goals for enriching and advancing STEM learning across all grades K-12 in our school district</li> <li>• A community meeting to discuss goals for STEM education in our District</li> <li>• A meeting of multiple and various stakeholders to determine which partnerships can provide sustainable applied learning opportunities for K-12 STEM programs that are under consideration</li> </ul>
<p><b>On-Going</b></p>	<p><b>Pop-Up Professional Development for Educators</b></p>	<ul style="list-style-type: none"> <li>• Bring free professional development opportunities to teachers in our area</li> <li>• 2014-2015: Keva Plank workshop &amp; Tinkering with Soft Circuits</li> <li>• Connect educators to workshop opportunities offered nationally – Exploratorium and Maker Education conferences</li> </ul>
<p><b>On-Going</b></p>	<p><b>Research and Posting of Afterschool and Summer Camp Programs</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To connect families with STEM learning resources that are already available to youth</li> <li>• Use STEM Alliance website as a clearinghouse for information about STEM programming – both afterschool and summer camp offerings</li> <li>• Programs can be submitted to our online database by providers or via our volunteers</li> </ul>

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<p><b>On-Going</b></p>	<p><b>Research and Posting of Grants for Teachers</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To bring additional financial resources to innovative STEM programs that teachers are currently leading in their schools or want to bring to our District</li> <li>• Grant opportunities can be submitted to our online database by STEM Alliance members and our Grants &amp; Funding Action Team</li> </ul>
<p><b>On-Going</b></p>	<p><b>Afterschool Programs and STEM Enrichment advising</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To connect local schools with vendors who can provide quality STEM afterschool programs in schools</li> <li>• Advise local PTAs and other providers (e.g. Libraries) on vendors for STEM enrichment</li> <li>• Preview and price vendors to understand competitive rates &amp; quality of programming</li> <li>• Share our database of STEM vendors through PTA liaisons</li> <li>• Use our network to facilitate effective contracts, solve hiring issues and bring new programs to the schools</li> </ul>
<p><b>On-Going</b></p>	<p><b>Newsletter</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To provide timely and relevant information about STEM programs and opportunities to local families</li> <li>• Bi-monthly newsletters go out to a database of over 7,000 local families and staff members to share STEM news, links to one-time events and festivals as well as celebrate STEM experiences going-on in our schools</li> <li>• Additional dedicated e-mail blasts are used to highlight activities that might be of specific interest to subsets of our database such as teachers or STEM experts</li> </ul>
<p><b>On-Going</b></p>	<p><b>Networking Meetings</b></p>	<ul style="list-style-type: none"> <li>• <b>PRIMARY PURPOSE:</b> To continue to grow our network of potential partners who can enhance the STEM learning opportunities in our school District and community</li> <li>• On-going attendance at small and large group meetings with numerous local partners such as the Better Business Bureau, universities, businesses, the Chamber of Commerce, the Local Summit and others</li> </ul>