Inclusive, Mission & Vision Driven, Public Understanding of STEM, Accessible, Community-Minded, & Trustworthy

The **SCIENCE LEARNING PARTNERSHIP (SLP)** between the Syracuse City School District (SCSD) and the Milton J. Rubenstein Museum of Science & Technology (MOST) provides hands-on science field trips for nearly 6,000 kindergarten, fourth-grade, and eighth-grade district students each year.

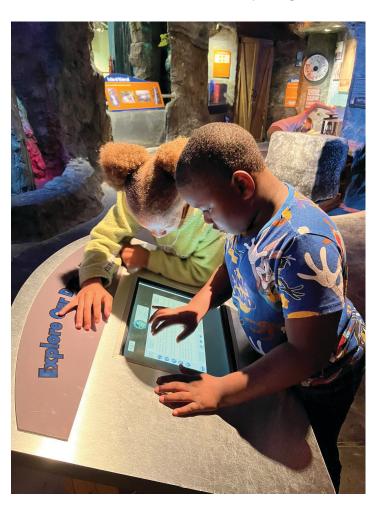
During these visits, students enjoy high-quality science learning experiences that are designed for interactivity and engagement, and directly aligned with grade-level New York State Standards for Science Learning (Next Generation Science Standards) and district-wide FOSS curriculum units and pacing.

The need for this kind of hands-on, experiential science learning is significant, both for student success upon returning to the classroom and for long-term STEM workforce development. SLP field trips provide students with dynamic engagement opportunities that connect directly to their classroom learning, as well as critical exposure at several stages of their K-8 education to the wide variety of STEM fields and careers available in the modern workforce. The need for this kind of programming is especially acute among those groups historically underrepresented in STEM fields, who make up a large portion of SCSD students.

Thus, the primary and overarching goal of the SLP program's contextualized learning approach is to empower student engagement and confidence in STEM learning, and particularly in grade-level subject matter (as determined by NYSED Science Learning Standards and district curriculum and pacing).

To this end, each grade-level visit includes:

- a) Customized workshops and labs tailored to the district's grade-level curriculum
- b) Screening in the MOST ExploraDome (documentary film or planetarium program)
- c) Exhibit exploration
- d) Nutrition time (snack/lunch)



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MICRON STEM INCLUSION SHOWCASE SPONSORED BY TOYOTA

As part of its commitment to inclusion as a core institutional value, the MOST regularly features achievements made by scientists from groups historically underrepresented in STEM. Biographical information and displays about their lives, accomplishments, and career journeys are paired with handson activities exploring their field or work, typically in conjunction with nationally and/or internationally recognized heritage celebrations.

The objective of the current project is to expand and improve the presence of these features through additional funding, which will allow for more robust exhibition displays, as well as for their prominent placement in an established exhibit: the MOST Innovation Station. In this way, improvements to the location and quality of production of the showcases are not just cosmetic benefits, but representational ones; they are signals to the community about the value of diversity, the inclusiveness of the institution, and the importance of science learning for all. As in the past, displays are planned for a rotating schedule aligned with recognized celebrations as follows:

- Black Scientist Showcase
 February (Black History Month)
- Women in STEM Showcase
 March (Women's History Month)
- AAPI Scientist Showcase
 May (Asian-American & Pacific Islander Heritage Month)
- LGBTQ Scientist Showcase
 June (Pride Month)
- Hispanic Scientist Showcase
 September (Hispanic Heritage Month)
- Indigenous Innovations Showcase November (Native American Heritage Month)



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MICRON STEAM EXPLORERS INCLUSION PROGRAMS

To address the persistent lack of racial, ethnic, and gender diversity in science and technology careers, the MOST is committed to providing learning opportunities to students from groups historically underrepresented in STEM. Through hands-on programming and collaboration with our community partners, the STEAM Explorers Inclusion Programs are one way the MOST ensures that science learning is available for all.

Programs Include:

- MACNY Future Girls in STEM: This free series is targeted towards girls in grades 6 through 8 grade, where female professionals from local companies will lead students in a fun, hands-on activity together to spark interest in these high-tech careers.
- National Grid Future Innovators: An afterschool mentorship program where Black students are working alongside Black scientists through an exciting STEM curriculum that includes hands-on workshops, relevant site visits, career exploration, exhibit design projects, engineering challenges, and museum experiences at the MOST.
- Visions Federal Credit Union Sensory Friendly Science: SFS is a set of resources, programs, and exhibits designed to support STEM learning for children with sensory processing difficulties, autism, and other developmental disabilities. The program includes monthly Sensory Friendly Time, sensory kits, a sensory path and sensory friendly at-home activities.
- Write Out: Write Out is a community writing collective that partners with local organizations to offer after-school programming designed to get students excited about writing and storytelling. Over the last two years, we've worked with more than 200 community.
 - the last two years, we've worked with more than 300 student across Syracuse from the ages of 6-18. Students are encouraged to write in whatever languages they know!



MOST I.M.P.A.C.T. SPONSORSHIP SUPPORT

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FOR MORE INFORMATION: Please contact Lorna Oppedisano at (315) 425-9068 x2123 or loppedisano@most.org. You will be called by a member of the development office upon receipt of your commitment and receive a thank you letter with inclusion of your tax deduction information.

Payment

PLEASE RETURN TO:

☐ Check Enclosed (Make check payable to: MOST Foundation) ☐ Please Invoice

MOST Foundation 500 South Franklin Street Syracuse, NY 13202