

Westbury STEM Partnership

Launched in 2009

Collective Impact. Experiential Learning. Inspiring Futures.



6,720

Hours of STEM Professional Development for Teachers



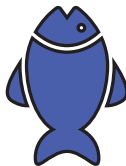
9,258

Students Engaged



18,000

Family Members have Attended STEM Family Nights at Westbury Schools



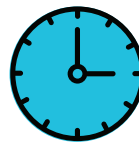
80

Dissections: Fish



5,787

Owl Pellets



370,320

Hours of Hands-on STEM Learning

District-wide STEM programming in our community for 1st, 2nd, and now 3rd Grade!

Powells Lane



Drexel Avenue



All schools are within **5 miles** of LICM



Park Avenue



Long Island Children's Museum

“ In the midst of this frenetic environment of mask wearing, hybrid instruction, hand sanitizing... there has been one constant - the Long Island Children's Museum has been here to support us. They have provided materials, videos, and lesson plans to ensure that our Westbury children have hands-on instruction in school, and at home. This has made a positive impact on their academic learning, as well as their social emotional health.

– Second Grade Teacher



“ I love the Long Island Children’s Museum because we got to touch the heart of a fish. We got to taste the cooked fish. We played everywhere. We saw a snake and a walking stick. We asked a lot of questions. – Second Grade Student ”

WHY

There is well-documented disconnect between students from high needs districts and achievement in STEM learning. Research shows that engaging early elementary minority students with STEM experiences positively impacts achievement levels, science literacy & enthusiasm, and intent to pursue STEM courses and careers.

“ Thank you so very much for ALWAYS being an advocate for our students! You and your team are amazing, and it is so greatly appreciated! Your consistent hard work doesn’t go unnoticed! ”
– Second Grade Teacher

WHO

Students: ALL 1st and 2nd graders + 3rd graders in 2021-22

Teachers: All 1st, 2nd, and 3rd grade teachers

Families: All student and teacher families are included

Westbury’s student body is **24%** Black, **73%** Hispanic or Latino, **2%** White and **1%** other. Approximately **87%** of students are economically disadvantaged and more than **30%** are English Language Learners.

WHAT

STEM Lessons: Mapping/geography, animal adaptations, friction and motion, food chain, balance and gravity, patterns

STEM Activities for Hands on Learning: Dissections, growing seeds, building bridges

Annual Family STEM Events: Community Nights at LICM and Family Nights at each school

Year-Round STEM Professional Development for teachers

“ It has shown me how simple it can be to incorporate components of STEM in my classroom and lessons. ”
– First Grade Teacher

“ Our students don’t have many opportunities to experience museums. When we go [to LICM] the students truly experience learning in a hands-on way... It becomes more concrete for them. And they have fun! ” – First Grade Teacher

WHERE

3 Westbury Elementary schools:

Powells Lane, Drexel Avenue, Park Avenue. All schools are within 5 miles of LICM.

Homes: Kids bring learning home through activity kits

LICM: Field Trips, Theater performances, and Community Nights



2020 Nassau BOCES Education Partner

Nominated by Patty Mueller, Science Chair, Westbury School District, this award recognized LICM for going above and beyond and making a measurable impact on public education in Nassau County.

Westbury STEM Partnership is supported by the generosity of these donors:

nationalgrid
Lead funder since 2013



This project was made possible in part by the
Institute of Museum and Library Services

Grant Funders - Guru Krupa Foundation, Richmond County Savings Foundation, Gertrude and Louis Feil Family Foundation, Resorts World Gives, John and Janet Kornreich Charitable Foundation, J-POWER USA, Frederic R. Coudert Foundation, New York Community Bank Foundation, Investors Foundation. **Underwriters** - Adelphi University, Nassau Live Center LLC, Squad Security, Stasi Brothers Asphalt Corp., Valley National Bank. (as of 12/2021)