STEM Uses in Northern Manhattan

STEM: Science, Technology, Engineering, and Mathematics

NYC FIRST STEM Center at the NYPL Washington Heights Branch

- Youth focused programming in Washington Heights catering to grades K-12 and the greater community
- Offers mentor-based after-school, weekend, and summer STEM programming every weekday and every other Saturday
- Workshops to program, design, & fabricate robotics.
- Credit-bearing STEM courses for local high schools.

Gregorio Luperon High School for Science and Mathematics

- Youth focused programming in Washington Heights catering to high school students (grades 9-12)
- Offers STEM programming focused on robotics and aviation training.
- Four-year technical STEM course load directs students toward pilot and unmanned aircraft systems (drones) career options.

City College of New York STEM Institute

- Youth focused programming in Harlem designed to encourage under-represented minority middle and high school students (grades 6-12) to maximize their academic potential.
- Offers after school, weekend and summer programming focused on STEM subjects and test prep classes.
- Courses include physical sciences, math, computer programming, engineering, and college prep.
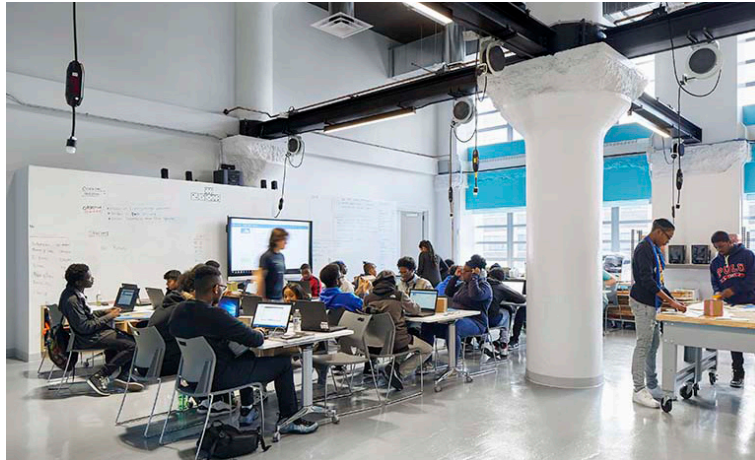
STEM Learning Center coming to The Eliza

- This affordable housing project in Inwood with 174 deeply affordable units includes an updated, two-story library; a state-of-the-art STEM Learning Center; a universal Pre-K program; and an Activities, Culture, and Training community space.
- The planned STEM Learning Center will have about 2,300 square feet (the size of a tennis court)
- Programming still to be determined

STEM Case Studies in New York City

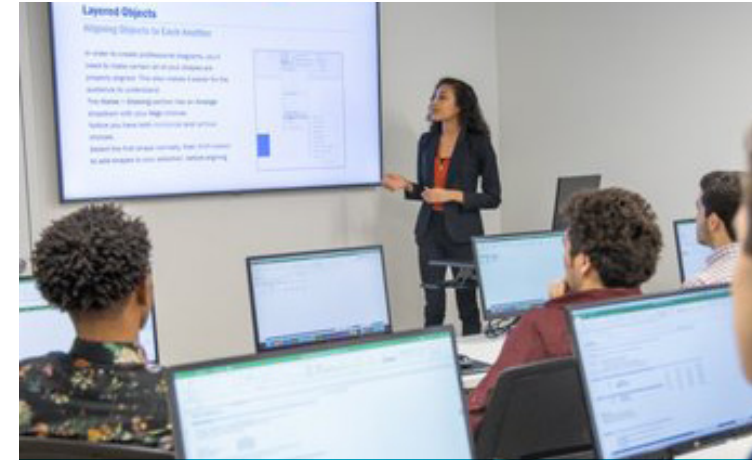## STEM: Science, Technology, Engineering, and Mathematics

Summer STEM Programs at Vaughn College

- Free STEM programming for high school students to help historically underrepresented and under resourced students
- Comprehensive support with tutoring, college entrance exams, preparation, and field trips
- IBM courses for basics in Artificial Intellgence (AI) and cybersecurity. Also offers intermediate courses and certifications in these fields

Brooklyn STEAM Center

- Offers high school students courses covering information technology (IT) fundamentals, web and app development
- Certifications in workplace safety (OSHA), IT fundamentals, web development, Python programming
- Also offers programs on carpentry, masonry, residential building and electrical, and plumbing

NYIM Training

- Offering business courses and corporate training
- Offers training in the fields of data, business, Microsoft Office, design, and coding
- Courses and certifications in data analytics, project management, office productivity, and financial modeling
- Other courses include user experience (UX) and web design, video editing, accounting, QuickBooks

Maker Space NYC

- Largest industrial workspace in the city
- Programming is available for kids and families
- Programming covers welding, woodworking 3D printing, and blacksmithing
- Access to tools and technology such welders, plasma cutters, and 3D printers