



Vertex's Commitment to Science, Technology, Engineering and Math (STEM) Education

Vertex is committed to inspiring and equipping the next generation of scientific leaders. Over the last five years, Vertex has developed strong relationships with Boston education leaders, schools and students across the city to help provide young people with a pathway for success in a STEM career. In 2013, Vertex entered into a unique three-year, \$1.5M partnership with Boston Public Schools (BPS) and committed to working closely with two schools in the neighborhood, Boston Green Academy and Excel HS. That partnership has grown to include six schools and will continue to evolve in the years ahead. To date, Vertex has served over 1,000 students in one of their STEM programs and expanded their focus, from primarily high school students, to include middle school and college students. The goal is that students won't experience Vertex through a one-time visit, but rather that Vertex will have multiple touch-points with students throughout their academic careers.

Their STEM programs and partnerships include:

- **Thomas M. Menino Learning Lab:** A 3,000-square-foot classroom and laboratory space that provides local students and teachers the opportunity to work alongside Vertex scientists to conduct experiments with cutting-edge technologies.
- **Science Fair Mentorship Program:** Students are paired with a Vertex mentor and receive guidance on science fair projects at the school, city and state levels.
 - In 2016, 27 students and 22 mentors participated in the program.
- **High school and college internships:** Students gain real-world professional experience exposing them to the possibilities of a career in STEM.
 - In 2016, they had 30 high school interns and nearly 100 college interns in the program.
- **Annual Vertex Science Leaders Scholarship:** The equivalent to a four-year, full scholarship is given to pursue an education in STEM at any University of Massachusetts campus.
- **Bottom Line:** Vertex is in the first years of their partnership with Bottom Line, which helps underserved, first-generation students get into college and succeed through mentoring and support throughout their college careers.
- **BoSTEM:** Vertex was the first corporate partner for a coalition formed by United Way of Massachusetts Bay and Merrimack Valley, Citizen Schools and Boston After School & Beyond in response to President Obama's US2020 challenge to generate large-scale, innovative solutions to STEM education challenges in the U.S. BoSTEM's goal is to provide all BPS middle school students with a STEM learning experience by 2020.
- **Boston STEM Week:** During Boston STEM Week, regularly scheduled classes in Boston middle schools are replaced by STEM curriculum. In addition, volunteers from local companies visit classrooms to share experiences from their work and how they entered on a STEM related career path.

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Vertex is truly committed to the expansion of STEM education throughout Massachusetts and works with community leaders and local schools to give students a pathway to success in STEM fields.