



Verizon's Education Strategy

Verizon participates in a wide variety of education initiatives focused on improving student interest and achievement in STEM education. Programs are designed to deliver hands-on experiential learning opportunities that use mobile technology and include coding, design think and entrepreneurship to underserved and underrepresented students to increase engagement and interest in STEM:

- **Verizon App Challenge:** For the past three years, Verizon has run a nationwide contest for middle and high school aged students to develop concepts for mobile apps that solve a community problem. This program encourages creativity, innovation and STEM interest.
- **Results of Best in Nation Winner Westford Academy:** Inspired through the Verizon Innovative App Challenge, the team of high school students from Westford Academy launched an entrepreneurial venture with its Tactillium app. The Tactillium app brings engaging chemistry education to younger students and underfunded school districts by allowing students to conduct virtual chemistry experiments and observe the results in an immersive 3D lab environment.
- **Verizon Innovative Learning Grants:**
 - **Boston International High School, Boston:** Boston International High School and Newcomers Academy (BINcA) built a STEM Innovation program that utilizes robotics and rapid prototyping technologies to empower students to innovate, and create.
 - **Dr. Consentino School, Haverhill:** This program provides teachers with professional development, as well as equips science classrooms at the Consentino School with science supplies and materials.
 - **John Breen School, Lawrence:** The Breen School offers science and technology enrichment for all students through its Early Childhood Science Enrichment program.
 - **Bartlett Community Partnership, Lowell:** The Bartlett Community Partnership, has partnered with other Lowell institutions, such as the University of Massachusetts Lowell and Middlesex Community College to launch an after school program funded by a 21st Century Community Learning Center grant.
 - **Lowell High School Maker Space:** The Lowell High School Maker Space and adaptive technology work stations provide engaging project-based STEM learning to 900 freshmen students each year.
- **Verizon Mobile Learning Academy:** The Verizon Foundation, ISTE and the Johns Hopkins University's Center for Technology in Education are teaming up to offer a free, moderated five-module academy on how to integrate mobile learning into a school's or district's curriculum. Participating Massachusetts schools include: Assabet Valley Technical High School, Marlborough; Barnstable Public Schools, Hyannis; Collins Middle School, Salem; and Shore Education Academy, Chelsea.
- **Boston Private Industry Council:** Verizon Foundation supports the Boston PIC's Classroom at the Workplace program which expands STEM career awareness and academic programming for Boston public high school students who have failed to pass MCAS.
- **Citizen Schools—STEM Apprentice Program:** Citizen Schools provides STEM enrichment for underserved Boston school students in an after school setting. Verizon IT employees volunteer as mentors to the sixth grade students participating in the 12-week program. They teach students how to code through the use of robots.

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Verizon has a wide variety of partnerships with different education institutions however they all have the same goal: to increase student's interest and knowledge in STEM fields. Through creative projects such as Verizon's APP challenge and STEM professional development Verizon is working to ensure that students are learning and exploring all that STEM has to offer.

to give students a pathway to success in STEM fields.