### Goal Code: P4
#### G14

<table>
<thead>
<tr>
<th>Amherst</th>
<th>Boston</th>
<th>Dartmouth</th>
<th>Lowell</th>
<th>Worcester</th>
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</thead>
<tbody>
<tr>
<td>UMass Amherst continues to grow its outreach programs in underserved communities. Many of these programs also promote diversity in STEM careers. Examples include:</td>
<td>Serving over 2,500 Boston Public School students annually, UMass Boston has an integrated set of pre-collegiate programs aimed at preparing low-income, first-generation students to successfully enter and complete postsecondary education. Admission Guaranteed Program, Project REACH, Upward Bound, Math/Science, Upward Bound, Talented and Gifted (TAG) and ALERTA, and Urban Scholars. Highlights include: The Upward Bound Program collaborated with AMEND, a group of young men participating in the Success Boston Initiative, to provide mentors for the high school Upward Bound students. The Admission Guaranteed Program worked with the Success Boston Initiative to organize the Boston Public School’s first High School Alumni Day held at the Burke High School. Project REACH provided transition-to-college workshops for high school students in 2014 we surveyed faculty which revealed over 100 school based collaborations, partnerships, and programs. A number of these programs are lead by the College of Arts &amp; Sciences, College of Engineering, and College of Visual and Performing Arts. Examples include:</td>
<td>In 2014 we surveyed faculty which revealed over 100 school based collaborations, partnerships, and programs. A number of these programs are lead by the College of Arts &amp; Sciences, College of Engineering, and College of Visual and Performing Arts. Examples include:</td>
<td>• Work with BottomLine.org to support underserved HS populations especially in Mattapan, Roxbury &amp; Dorchester; • Civil Engineering students work on service-learning-related capstone design project in Haiti; • Summer camps for engineering students, including one on sustainability for female students. • Work with Raise.me on “micro-scholarships” to incentivize HS student behaviors important to college success; • UTeach STEM teacher program works with several local school districts with math tutoring &amp; design projects;</td>
<td>Not Applicable</td>
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<td>• Commonwealth Alliance for Information Technology Education • Holyoke-Springfield Diversity Pipeline • 180 Days in Springfield (teacher education) • Upward Bound, a federally-funded program • The Holyoke Tutorial • Theater Department performances in Springfield schools • Community Journalism in Springfield schools • The Western Massachusetts Writing Program for educators • Department of History K-12 Workshops</td>
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## Physical Activity Programs for K-12 Educators

Seniors planning to attend UMass Boston, Benjamin Franklin Institute of Technology, and Bunker Hill and Roxbury community colleges. Coaches from Success Boston were invited to speak with the students about their role and how they support college students.

- **Effective STEM Teaching Fellows and Master Teaching Fellows Program.**
- **Robert Noyce Scholarship Program:** Recruits high-achieving, motivated undergraduate STEM majors who are committed to becoming a middle or high school STEM teacher in a high-need urban district of southeastern Massachusetts.
- **Noyce Scholarship Summer Institute:** Two week, residential camp for STEM undergraduates interested in pursuing teaching. Local Middle and High School placements/partners.
- **STEM Academy:** Wareham Public Schools--Middle School (SMAST)
- **SouthCoast Professional Development Consortium:** K-12 Teacher Leaders, Curriculum Coordinators, Administrators, etc.--SouthCoast and Cape Cod Islands
- **Buzzards Bay Writing Project:** K-12 Teacher/Student programs--camps--MA Statewide--National Writing Project site
- **NEH Sailing to Freedom:** K-12 Teachers--National Ocean Academy--PD for K-12 Teachers--Integrated STEM PD

The Leduc Center for Civic Engagement oversees four programs that support degree attainment: 1) Leadership for Educational Attainment Developed Through Service (LEADS) is collaboration between UMassD and the Fall River and New Bedford public schools; 2) America Reads and Counts places college student tutors in community centers, middle and elementary schools to increase the level of mathematics understanding and reading levels in pre-K to middle-school students; 3) Kids2College implements a college-awareness curriculum for 5th graders; and 4) College Positive Program assists and advises students in pursuing the college-bound path providing information about college options, resources, and materials to be successful in college exploration.