



Life Sciences Opportunities and Networks for Educators

This resource features organizations and associations with opportunities for teachers and students to support the development and enhancement of life sciences education, curriculum, and training. This is a growing list; please feel free to share any additional resources you have found to be helpful.

| Organization/Association | Snapshot | Website/Contact |
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| <p>InnovATE BIO National Biotechnology Education Center</p> | <p>InnovATEBIO works to advance the education of highly skilled technicians for the nation's biotechnology workforce. Toward this goal, InnovATEBIO provides leadership in biotechnology technician education, including support for development and sharing of best practices and emerging technologies in biotechnology workforce development.</p> <p>Resources include:</p> <ul style="list-style-type: none"> • Support for faculty, and programs, primarily at two-year colleges, who are educating the biotechnology workforce, together with their administrators. • Lesson resources in Canvas for embedding biotech into your general science curriculum. (Canvas accounts are free) • Curriculum examples for CTE, dual enrollment, and elective Biotech courses. | <p>InnovATEBIO National Biotechnology Education Center</p> <p>Support for College Biotechnology Instruction InnovATEBIO</p> <p>InnovATEBio High School Teacher Resources Canvas Commons</p> <p>Classroom Resources for HS Biotech Teachers InnovATEBIO</p> |

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| <p>MA Regional STEM Networks</p> | <p>Massachusetts Regional STEM Networks serve as hubs for educators, community leaders and industry partners to create STEM opportunities for students.</p> <p>Website includes regional representative contact information to sign up for newsletters and events.</p> <p>Regions:</p> <ul style="list-style-type: none"> • Berkshire Network • Pioneer Valley Network • Central Network • Metro West Network • Northeast Network • Metro North Network • Boston Network • Southeast Network • Cape Cod Network | <p>Regional STEM Networks Mass.gov</p> |
| <p>Massachusetts Association of Science Teachers (MAST)</p> | <p>The Massachusetts Association of Science Teachers (MAST) is a professional organization dedicated to improving science education at all levels. MAST is the state chapter of the National Science Teachers Association (NSTA) and acts as your representative on national and state policies concerning science education.</p> <p>Site features information on:</p> <ul style="list-style-type: none"> • Conferences (Annual MAST conference) • Events • Awards/Grants • Professional Development | <p>MAST Homepage NSTA</p> |

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| <p>Massachusetts Science and Engineering Fair (MSEF)</p> | <p>Each year thousands of students in Massachusetts experience the professional practices of working scientists and engineers through the development of independent research projects. MSEF supports the students and their teachers with a portfolio of tools (webinars, handbooks, volunteers, etc.) that facilitate and enhance their research.</p> <p>Students participating in the fair will have access to a mentoring team of science professionals, as well as interact with industry professional judges.</p> <p>Information sessions, mentoring and additional supports are available for schools and/or coordinating teachers/school leaders interested in participating in the science fair.</p> | <p>Massachusetts Science & Engineering Fair</p> |
| <p>MassBioEd: Professional Training Courses</p> | <p>MassBioEd's Professional Training Courses (PTC) provides a diverse selection of professional development programs for industry experts.</p> <p>Persons new to the life sciences industry benefit greatly from our flagship leadership and management trainings and Intro to Biotech series. Mid-stage professionals can deepen their expertise with project management or presentation skills training. More senior professionals can enhance their leadership acumen with intensive workshops on team building, strategic planning and problem solving.</p> <p>Held in person and online, these sessions are tailored to ensure quality content and maximize teacher-student interaction. Courses are held year-round.</p> | <p>Professional Training Courses – MassBioEd</p> |