

# Metro North Catalyst

A publication of the Metro North Regional Employment Board focused on connecting companies and schools to promote education in Science, Technology, Engineering and Mathematics (STEM)

## 2011 Massachusetts STEM Summit: Advancing the STEM Agenda Locally & Nationally

Registration is now open for the Massachusetts 2011 STEM Summit, to be held on Tuesday, Oct. 18 at the Newton Marriott Hotel from 7:30am—4pm. [Click here to register.](#)

## Boston Society of Civil Engineers seeks sponsors, students and mentors for local competitions

The Boston Society of Civil Engineers Section/ASCE is now accepting applications from middle and high schools to participate in its annual science competitions:

**Model Bridge Design Contest** (Oct. 2011—Jan. 2012)  
Middle and high school students design and build models using supplied materials and specifications.

**Ralph Salvucci Online Bridge Design Contest** (Jan. — Mar. 2012) - Middle and High School students utilize the free West Point Bridge Design software to design the lowest priced bridge capable of carrying a virtual design truck load.

**Future City Competition** (Now – Jan. 2012) - Students in grades 6-8 dream up their ultimate city of the future through the use of SimCity software. By constructing a live model, writing a short essay and preparing a brief presentation, they take their wild-sounding world and give it deep roots in real engineering and technology.

**Mentors help make these program happen;** please consider volunteering. For more information please email Reed Brockman, [reed.brockman@aecom.com](mailto:reed.brockman@aecom.com).

## Visit the Metro North STEM Resource

for detailed information on well-established STEM programs across the Metro North region and selected resources to support business/school partnerships. [WWW.MNREB.ORG/STEM.PHP](http://WWW.MNREB.ORG/STEM.PHP)

## Massachusetts State Science & Engineering Fair seeks judges, mentors, advocates and students

The Massachusetts State Science & Engineering Fair, Inc. (MSSEF) is a non-profit organization committed to increasing awareness of, exposure to, and participation in inquiry-based learning through the development of science and engineering projects by middle school and high school students. Through its Curious Minds Initiative, MSSEF offers graduate courses for teachers leading to the STEM Certificate in Inquiry at Framingham State University.

### Ways to get involved:

1. Be a science fair judge. Opportunities exist at the middle and high school levels and for statewide, regional and school district fairs.
2. Mentor science fair students and science teachers.
3. Help develop a science fair program in a school.
4. Become a STEM education advocate. Promote the need for students to choose STEM education and careers.
5. Enter your students in a fair! Massachusetts State Science & Engineering Fairs are open to students in grades 6 -12 from all public, private and parochial schools throughout the state.

For more information visit: [www.massscifair.com](http://www.massscifair.com), or email [info@scifair.com](mailto:info@scifair.com).