

Siemens Industry, Inc.

85 John Rd, Unit 1

Canton, MA 02021

www.usa.siemens.com

April 12, 2017 - 4-6:30PM

SIEMENS INDUSTRY, INC

ACTIVITY Find out about hands-on science and engineering activities Siemens brings to schools to inspire students to pursue science, technology, engineering and mathematics (STEM) as career paths. Work together on the “Wind Turbine – Blade Design” activity. Identify how the activity links to one or more of the MA Science, Technology, Engineering (STE) Practices.

TOUR Ingenuity for life is technology paired with purpose – a powerful mix of know-how, innovation, reliability, and responsibility. Learn how Siemens addresses a wide range of future-oriented solutions including industrial cyber security, intelligent transportation and infrastructure, sustainable energy, HealthCare IT, Digitalization, and sustainable healthcare technology. Conduct an energy audit to evaluate energy use. Identify and share ideas about how to implement energy saving solutions and how students could conduct audits in school and at home.

PRESENTER: Julianne Rhoads, Infrastructure & Cities Sector
Energy Engineer, EMIT, LEED GA

RESOURCES

- Kid Wind Kit – concepts that can be introduced to PreK-16.
- Siemens Foundation - <http://www.siemens-foundation.org>
- Siemens Competition and Discovery Education <https://siemenscompetition.discoveryeducation.com>

WORK-BASED LEARNING SEMINARS

- Attend three (3) career readiness sites and one (1) college readiness site.
- Create at least one (1) activity/lesson relative to the information presented. Meet with team members to discuss lessons/activities and share information with colleagues. *If schedules permit, share information at SE MA STEM Network events.*

STEM Resource Fair for STEM Stakeholders

May 18, 2017 – 3-6PM – Bridgewater State University

Register at <http://www.connectsemass.org/stem/>

- The PDP administrator for the district will verify that the Work Based Learning Seminar Series for Educators is consistent with the educational needs of the school and/or district and meets the district’s PDP requirements. Once verified, the district will award professional development points (PDPs) to those that attend 3 career readiness sites and 1 college readiness site and submit required products.

6-6:30PM – Discussion

Discuss potential lessons/activities you may develop relative to information presented. Consider the customers Siemens serves, careers at Siemens, and the connection to STEM majors including: Agriculture & Natural Resources · Architecture · Biological & Biomedical Sciences · Computer & Information Science · Engineering & Engineering Technology/Technicians · Health Professions & Clinical Science · Mathematics & Statistics · Mechanic/Repair Technician · Military Technology · Physical Sciences · Precision Manufacturing.

For more information, contact Katherine Honey, SE MA STEM Network Coordinator at khoney@comcast.net.