

MetroWest

ROBOTICS



Fundamentals of Information Technology and Engineering Announcing Professional Development for Massachusetts Middle School Teachers

Northeastern University is pleased to offer a Professional Development opportunity for middle school teachers to participate in an innovative program in pre-engineering concepts. Participating teachers will be trained to deliver a curriculum unit that teaches students to design and build an assistive device using LEGO Bricks and ROBOLAB. The unit addresses the Massachusetts Technology and Engineering Curriculum Frameworks. Teachers will gain the skills and confidence to teach engineering concepts.

Program Goals



- Prepare middle school teachers to teach engaging, IT-intensive robotics projects.
- Inspire students to take a stronger interest in science, technology, engineering and math (STEM) subjects.
- Introduce robotics activities that align with the Massachusetts Technology/Engineering Frameworks.

Benefits

- Participating teachers will receive \$1500 stipend for completing 12-day summer training **and** for attending (3) six-hour callback sessions held on Saturdays during the school year.
- Each teacher receives the loan of (4) LEGO Robotics kits for use in an after-school program.
- Teachers can choose to receive **EITHER** (4) quarter hour graduate credits at reduced cost from Northeastern and 84 PDPs for completing the entire program **OR** receive 155 PDPs in lieu of graduate credits for completing the entire program.

When and Where

SUMMER 2008 – (7) days of training will be offered **week-days** from July 10 – July 18, 2008 from 8:00 am – 4:00 pm. This training will be held at Northeastern University – parking passes and lunch will be provided. A 5 day practicum will run July 21 to July 25 at the Christa McAuliffe Challenger Center at Framingham State College.

Required Callback Sessions: (3) six-hour callback sessions held on Saturdays during the school year at Northeastern.

TO APPLY: Interested applicants should submit an electronic application located at: www.ITEST.neu.edu

For more information contact: Randal August at Northeastern University: 617-373-2064 or email at ITEST@neu.edu



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<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0423059>

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