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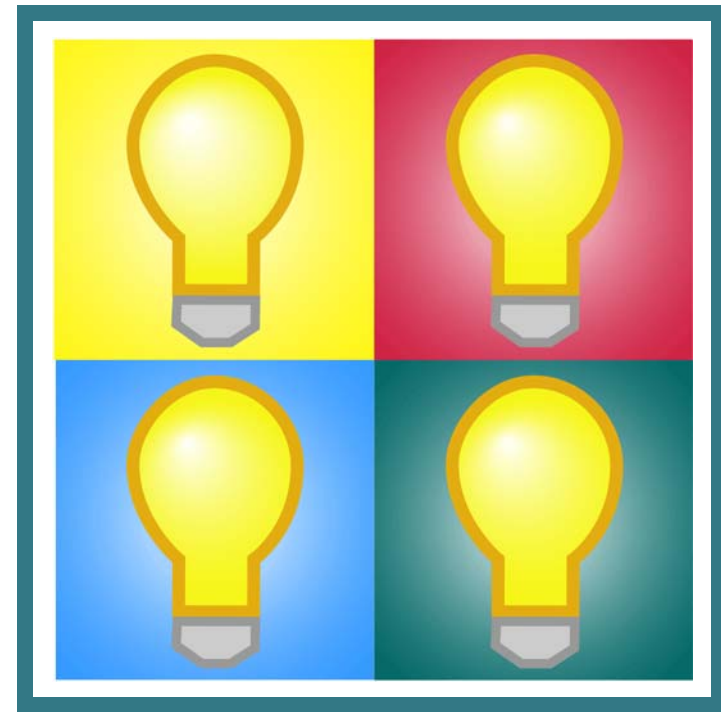
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**About AB PIP STEM**

Acton-Boxborough (AB) Parent Involvement Project (PIP) is a volunteer organization of parents, students, educators and community partners promoting K-12 Science, Technology, Engineering and Math (STEM) education. For information or to volunteer, see [actonpip.org](http://actonpip.org).



# DISCOVERSTEM 2011

**Thursday, November 10, 2011**

**6:00 - 8:30 pm**

**Acton-Boxborough Regional High School  
36 Charter Road, Acton, Massachusetts**

Hosted by **AB PIP STEM** at

[actonpip.org/discoverstem](http://actonpip.org/discoverstem)

with the support of the **AB Regional Schools,  
The Discovery Museums & Middlesex West  
Chamber of Commerce School Business  
Partnership**

# Guide to **DiscoverSTEM2011** Exhibits

## Green Technology and Environmental Sciences

- 1 AB Schools Green/AB Power Down Project & Green Council:** Reducing Power Consumption in Schools
- 3 Acton Water District/ACES:** Well Water, Safe Drinking Water, Measuring our Success
- 4 Acton MinuteVan:** Transportation and Traffic Studies
- 6 Azure Dynamics:** Transit Connect Electric Vehicle
- 8 Beyond Benign:** Green Chemistry and Sustainable Science
- 11 The Discovery Museums:** Dream Green House and the Science of Home Insulation
- 22 Next Step Living:** Home Energy Efficiency Made Easy
- 26 Tesla Motors:** Electric Sports Car—in ABRHS Front Circle

## Engineering, Computer Technology, and Robotics

- 2 AB Robotics Team:** Robotics Team Demonstration
- 7 BAE Systems:** Owning the Night with Thermal Cameras
- 13 Embed:** Electronics and Electrical Engineering
- 17 IBM:** How Engineering Software Impacts Our Lives
- 21 MIT Lincoln Labs:** FIRST Lego League and FIRST Technology Challenge Robot
- 24 Qualcomm Corporation:** Snapdragon Powers the New Mobile Generation
- 25 SolidWorks:** Design, Analysis and 50 lbs of Dumbbells
- 28 Tribute to Steve Jobs:** How has Apple Technology Impacted Your World?

## Medicine, Biotechnology, Biomedical Engineering and Pharmaceuticals

- 5 Astra-Zeneca Pharmaceuticals:** Counting Cells in a Liquid Environment
- 9 Boston Scientific Corporation:** Minimally Invasive Surgical Devices
- 16 Harvard University Medical School:** Center for Personalized Genetic Medicine
- 18 iWalk:** The First Bionic Lower Leg System
- 19 Mass Eye and Ear:** Ear Surgery and Research
- 20 Mass Eye and Ear:** Sinus Surgery Technology Innovation with Image Guidance
- 23 Pro EMS:** Emergency Medical Services Equipment and Supplies
- 27 ThermoFischer Scientific:** Technology for Medical Research and Life Sciences
- 29 Tufts Veterinary School:** Veterinary Medicine from the Emergency Room to the Laboratory

## Math, Physics and Chemistry

- 10 Concord Consortium:** Motion Studies with LOOPS
- 12 The Discovery Museums/The Young Einstein Club:** Reaction Station: Adventures for Chemists
- 14 Harvard-Smithsonian Center for Astrophysics:** South Pole Astronomy
- 15 WorldWide Telescope Ambassadors Program:** Exploring Astronomy with the WorldWide Telescope
- 30 Amateur Telescope Makers of Boston:** Introduction to the Amateur Telescope Makers of Boston

**Science . Technology . Engineering . Math**