

# The New Hampshire Science and Engineering Exposition



The 6<sup>th</sup> Annual NHSEE will be held at the NHTI in Concord , Thursday, March 13, 2009 from 9:00 am to 2:30 PM.

The intent of the Exposition is to provide NH students with the opportunity to learn the process skills necessary to design and perform experimental procedures in an effort to establish proficiency in authentic inquiry-based activities, and to encourage interest in the fields of both science and engineering.

The Expo has two categories of competition:

## **Open and Challenge.**

The **Open** Competition is based on the quest for knowledge, which starts from curiosity and a question such as “Why?” or “What if?” It involves making and recording measurements, as well as some book research. The point is to learn something, and then communicate it to others.

The **Challenge** Competition is based on the use of knowledge to build and/or use something in the most efficient way possible. For example, you can build a bridge, or build and play an instrument. The point is, again, to learn something and then communicate to others how it was done.

### **Both types of events have three parts:**

Beginning =	Goal and Plan
Middle =	Action and Data
End =	Results and Conclusions

But, as in any scientific endeavor, the end means another beginning, namely the communication of the work to someone else. In the case of the Expo, this involves a poster and interview.

### **Why get involved?**

For **students**, the Expo presents an opportunity to:

1. Indulge their curiosity
2. Learn a new skill
3. Build a stepping stone to national competitions

For **teachers**, the Expo allows them to:

1. Introduce students to the world of authentic scientific inquiry
2. Get to know students in a non- classroom setting
3. Expand students’ science experience beyond the confines of the classroom and beyond the time limits of school scheduling.

### **Need Help?**

**Mentors** are available. The basic job of a mentor is to ask questions and provide encouragement. They should refer students back to the criteria and get the students to self-check on whether they are following their own guidelines as well as Expo guidelines.

**Mentors can come from:** Teacher(s), friends and family, “Ask a scientist” website, and more.

For more information, visit our website at

**[www.nhsee.org](http://www.nhsee.org)**