

**ATLAS**  
**Advancing Technological Literacy and Skills of Elementary Educators**  
**Community College Faculty Institute**  
**8/6/07 – 8/9/07**

**MONDAY, AUGUST 6**

- 9:00-9:45 Introduction/Technology through Time
- 9:45-10:30 ATLAS and Engineering in Elementary Project Overview & Goals
- 10:30-10:40 Break
- 10:40-11:30 Engineering Design Process: Tower Power
- 11:30-12:30 EiE in Teacher Education: Models from the Field – Leanne Avery, SUNY Oneonta
- 12:30-1:15 Lunch: What's Going On at Your College?

**Exploring Science with EiE: Part I (Physical Science and Designing Windmills)**

- 1:15 – 2:30 Windmills Lessons 1 & 2
- 2:30 – 2:45 Break
- 2:45 – 3:45 Windmills Lesson 3; Begin Lesson 4
- 3:45-4:00 Walk to Museum
- 4:00-4:45 Technology and Engineering Curriculum Review – Jeff Mehigan, Museum of Science

**TUESDAY, AUGUST 7**

- 9:00-9:30 Energy Transfer Observations
- 9:30-10:30 Windmills Lesson 4, Continued.
- 10:30-11:00 Reflections

**Exploring Science with EiE: Part II (Physical Science and Designing an Alarm Circuit)**

- 11:00-12:00 Electricity Lesson 2 and Lesson 1
- 12:00-12:45 Lunch—Focus Groups
- 12:45-1:30 Electricity Lesson 3

- 1:30– 3:00 Electricity Lesson 4  
3:00 – 3:30 Energy Transfer and Transformation

**WEDNESDAY, AUGUST 8**

- 9:00-9:30 Reflections on Guiding Q's.  
9:30-10:30 EiE in the Elementary Classroom: Reflections from the Field – Pat Slater, Framingham P.S.  
10:30-10:45 Break  
10:45-12:00 Maureen Lee-Locke - Educator Preparation and Quality, MA Department of Education  
12:00-12:45 Lunch  
12:45-1:30 Overview of EiE units  
1:30-3:00 Curriculum Models from MoS, PowerUp Community College Grant – Christine Shaw  
3:00-3:30 Wrap-up

**THURSDAY, AUGUST 9**

- 9:00-9:30 EiE Research Findings  
9:30-10:00 EiE Content Connections  
10:00-12:00 Project Planning, Consultation, Further Resource Exploration  
12:00-12:45 Lunch  
12:45-2:00 Project Planning, Consultation, Further Resource Exploration  
2:00-2:30 Share Possible Plans  
2:30-3:00 Next Steps  
3:00-3:30 Evaluation and Wrap-up