Flight of the Monarch Butterflies Symposium

NSTA Area Conference, Louisville
Friday, October 19, 2012
Kentucky Science Center
8:00 a.m. – 1:00 p.m.

8:00 a.m.
Continental Breakfast – Riverview Room, Kentucky Science Center

Welcome
Brynn Slate, Manager, NSTA Symposia and Web Seminars
  ● About NSTA Symposia
  ● Agenda, logistics, evaluation

Pre-assessment

8:30 a.m.
Flight of the Butterflies 3D IMAX film

9:15 a.m.

Move to Riverview Room

9:30 a.m.
Introduction and Learning Objectives
Jim O’Leary, Senior Scientist, Maryland Science Center
  ● Learning objectives for the symposium
  ● Introduction of presenters – Grant Bowers and Kelly Nail, University of Minnesota
9:45 a.m.
Life Cycle Stations
Grant Bowers and Kelly Nail, Monarchs in the Classroom, University of Minnesota

- Eggs/small caterpillars
- Large caterpillars
- Pupae
- Adults

Learning Outcomes:

- After participating in the activity, participants will know
  - Where monarchs go in winter
  - How many times a monarch caterpillar sheds its skin
  - The four stages in the monarch's life cycle
  - What monarch caterpillars eat
  - How many legs a monarch has

11:45 a.m.
Break

12:00 p.m.
Curriculum Guide overview
Grant Bowers and Kelly Nail

12:15 p.m.
More Than Mammals lesson
Grant Bowers and Kelly Nail

12:45 p.m.
Post-assessment
Symposium evaluation
National Science Education Standards Addressed

Content Standards

K-4 Life Science
- Characteristics of organisms
- Life cycles of organisms
- Organisms and environments

5-8 Life Science
- Structure and function in living systems
- Populations and ecosystems