



Indiana Dunes, Science, and YOU!! **
Middle- and High-School Students Side-by-side with Scientists

Friday, May 2, 2014
Indiana Dunes Visitor Center



9:30 – 11:45 Sharing Science – Presentations at the Indiana Dunes Visitor Center

12:15 – 1:45 Sharing Science in the Field

Agenda:

*Prizes!
Educational and Fun!*

9:30 – 10:00 An interactive look into the minds of scientists!

10:00 – 11:45 Learn how four scientists use inquiry in their investigations within Indiana Dunes National Lakeshore Featured researchers will share their work at a level geared toward middle- and high-school aged students

Topics will include:

- **What can we learn from aquatic insects?**
Dr. Desi Robertson, Field Museum of Natural History
- **One investigation leads to another : Inquiry and the invasive Oriental Bittersweet**
Dr. Noel Pavlovic, United States Geological Survey
- **How is climate change impacting the endangered Karner blue butterfly?**
Tammy Patterson, United States Geological Survey
- **Bacteria in the water: where does it come from, how did it get there, and should we really be swimming?**
Meredith Nevers, United States Geological Survey

11:45 – 12:15 Lunch Break

12:15 – 1:45 Field Trips Students will reboard their buses and drive to the field trip locations below to learn how the investigation is conducted, try their hands using scientific tools, and work side by side with the scientists!

(field trip locations on back)

Field Trips: Leaders, Schools, and Locations

(maps will be provided)

Homeschoolers : Using Insects to Determine Water Quality in the Little Calumet River

Little Calumet River Trailhead Parking Lot on Howe Road

Dr. Desi Robertson, Field Museum of Natural History

Joe Exl, Northwestern Indiana Regional Planning Commission

George Rogers Clark High School and Michigan City Christian Academy: Investigating Oriental Bittersweet and Common Phragmites, Two Invasive Species

Parking Lot on the NW corner of the Intersection of Mineral Springs Rd. and Oak Hill Rd

Dr. Noel Pavlovic, United States Geological Survey

Dr. Joy Marburger, NPS, Great Lakes Research and Education Center

Kreiger Middle School – Climate Change and the Karner Blue Butterfly

Howe's Prairie parking pull over on west side of Waverly Road (north of Hwy 12)

Tamatha Patterson, United States Geological Survey and University of Notre Dame

Wendy Smith, NPS, Great Lakes Research and Education Center

Chesterton High School - Bacteria in the Water

Porter Access Point (Porter Beach) at northernmost end of Wavery Road

Meredith Nevers, United States Geological Survey

Kasia Kelly, United States Geological Survey