

Into the Woods

Elementary GLOBE Workshop

October 13 and repeated October 14, 2012

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and brief re-cap of program

9:00 Introduction to Classroom activities in Elementary GLOBE

Story by Story overview of activities

Teachers participate in selected activities:

Clouds Have Names: Cloudscape

Outdoor Cloud ID activity

Mystery of the Disappearing Hummingbirds: Online research and build model hummingbird.

12:00 Break for Lunch

12:30 Resume projects:

Scoop on Soils: Soil Investigation

All the World On Stage: What Plants Need

Discoveries at Willow Creek: Observations, Close and Far

Outdoor observations piece

3:30 Wrap up and set up for next workshop

Into the Woods

Pond Ecology Workshop

October 20, and repeated October 21, 2012

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and Q and A about any implementation issues that may have come up.

8:45 Introduction: What is a pond?

Classification activity

Use of the Field Guide

Prep for field trip

10:00 Trip to local pond (Kingsbury Rd. entrance Alley Pond)

Class management in the field

How to catch and sort

Participants collect

12:00 Return to classroom

12:30 Lunch

1:00 Evaluation questionnaire

1:20 Expanded specimen ID

Use of Brock microscope, examination of micro-biota

2:00 Research and report

3:00 Groups report out

3:30 Culminating activity: Web of Life

4:00 End

Explore the Birds in Your Habitat!

9:00-9:45: Get to know you (and get to know birds!) activities

- What makes a bird a bird? (T/F Quiz)
- Bird on back (bird interrogation)

9:45-10:45: Habitat Investigation (Adapted from the *Habitat Connections* curriculum)

- Imagine life as a bird & create a habitat list
- Create a habitat map and watch for birds (outdoors)
- Habitat scavenger hunt (outdoors)

10:45-11:45: Bird Sound

- Bird communication
- Common bird sounds
- Create a dawn chorus (*FF*)
- Sound Map (outdoors)
- Sound matching (*if time*)

11:45-12:15: Lunch

12:15-1:15: Life is Hard: Migration and Nesting (Adapted from the *Habitat Connections* curriculum)

- Migration Obstacle Course (outdoors)
- Intro to migration and nesting
- Bird Survivor (*if time*)

1:15-2:30: Get Outside with Citizen Science (Adapted from *Most Wanted Birds & Nature Detectives* curricula)

- Introduction to Cornell Lab citizen science and intro to bird ID
- Meet your focus bird
- Bird BINGO (outdoors)
- eBird count (outdoors)
- Compile and submit data

2:30-3:15: Schoolyard Investigations with Birds

- Scientist in action
- Introduction to BirdSleuth investigations, *Investigating Evidence*, and *BirdSleuth Investigator*
- eBird data out
- Investigation brainstorm and planning (*if time*)

3:15-4:00: Making a Difference on Your Schoolyard

- Feeding Birds
- Conservation; Action Map
- Habitat Improvement brainstorm (*if time*)

Into the Woods

Bronx River Studies Workshop

12/1 and Repeated 12/2, 2012

Bronx River Alliance Office, Bronx Parks Headquarters

Presenter: Demian Griffin, Bronx River Alliance

Greetings “Into the Woods” Participants from the Bronx River Alliance!

8:30 Meet at Ranaqua: Introductions to staff and river overview

9:00 Watershed activity

9:15 Travel to Bronx River Forest

9:30-12:00 River and Park Activities

12:00 Lunch and Travel to Concrete Plant Park

1:00-3:00 River and Park Activities

3:00 Visit to WaterWash ABC, possibly green roof

3:45 Return To Ranaqua Wrap up, evaluation

Into the Woods

NOAA Literacy Workshop

January 26th and 27th, 2013

Queens College, Science Building room D243

**Presenters: Nordica Holochuct and Susan Hoskins,
Cornell University**

9:30 Introduction to the Programs, Link to NOAA Resources/Inventory Methods

10:00 Topo Maps, Map Symbols and Colors, Measuring Ground Distance

10:35 Site Introductions

10:50 Aerial Photographs, Building Powers of Observation, Calculating Photo Scale

11:25 Geospatial Resources for NYC/Online

11:40 Site Profiles

11:50 Airphoto Interpretation

12:30 Lunch Break

1:30 Site Characterization Assignment

1:45 Science Bulletin: Bronx River Restoration

3:00 Site Characterization Reports

3:45 Evaluation PER GLOBE

4:00 Resorce Packets Distributed.

4:00 Adjourn

Into the Woods

Weather Workshop

February 23 repeated February 24, 2013

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and brief re-cap of program. Thank you and reminder about responding to surveys. Answer honestly.

Discussion of some of the walks I have led for some of the teachers, reminding everyone that I or one of the other staff are available to lead walks related to any of the “Into the Woods” topics.

9:00 Introduction to Weather:

Measurement: Which Thermometer? Learning activity

Air pressure, demo, cloud in a bottle, convection cell model

How to read the barometer, what does it mean?

Brief examination and discussion of the Earth System Poster

12:00 Break for Lunch

12:30 Relative humidity, discussion, build and use a sling psychrometer

Clouds and contrails discussion, followed by Estimating Cloud Cover activity

3:30 Wrap up and set up for next workshop

Into the Woods

Geology Workshop

March 9 repeated March 10, 2013

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and brief re-cap of program.

Discussion of some of the walks I have led for some of the teachers, reminding everyone that I or one of the other staff are available to lead walks related to any of the “Into the Woods” topics.

Reminder to invite me to school for tour and to arrange meeting with their Principal.

9:00 Introduction to Rocks: See attached lab guide.

12:00 Break for Lunch

12:30 Field trip to Orchard Beach: Survey of outcroppings along shore.

3:30 Wrap up and set up for next workshop

Into the Woods

Forest Ecology (biosphere) Workshop

May 18 repeated May 19, 2013

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and brief re-cap of program.

Discussion of some of the walks I have led for some of the teachers, reminding everyone that I or one of the other staff are available to lead walks related to any of the “Into the Woods” topics.

Reminder to invite me to school for tour and to arrange meeting with their Principal.

Fill out questionnaire from evaluator.

10:00 Leave for field experience in Cunningham Park

- General nature walk with emphasis on trees.
- How to use a dichotomous key to identify trees.
- Tree natural history and social history connections (dug out canoes and tulip trees, barrel making, triangle trade and red oak trees, etc.)

12:45 Return to campus and break for Lunch

1:30 Leave building and go to the quad to have teachers participate in toothpick camouflage game.

2:00 Return to room and have discussion on how to integrate outdoor experiences into classroom projects.

3:30 Wrap up and set up for next workshop

Into the Woods

GLOBE Research Pt. 1 Workshop

June 22, 2013

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and brief re-cap of program.

Discussion of what people have been doing with their classes related to ITW.

Outline what to expect next 3 workshops. Begin thinking about research topic.

10:00 GLOBE learning activity: Just passing through.

Relate to general soils studies

Relate to "Scientific Method"

12:00 Break for Lunch

1:00 Re-cap introduction to soils.

Introduce soil protocols; Soil Characterization, Soil Moisture, Soil Bulk Density.

On Campus field trip to collect soil samples.

3:00 Return to room and prepare samples for drying, and tomorrows lab work.

3:30 Wrap up clean up and set up for next workshop

Into the Woods

GLOBE Research Pt. 2 Workshop

June 23, 2013

Queens College, Science Building room E-243

Presenter: Peter Schmidt

8:30 Welcome and brief reminder of yesterday's activities.

10:00 Review instructions for how to process the soil samples.

Begin with soil moisture.

Set up data chart.

Analyze data

Talk about importance and relevance of the data and process.

Repeat for Bulk Density.

12:00 Break for Lunch

1:00 Field trip to revisit Pond.

Collect samples of freshwater invertebrates.

Identify and quantify on site.

3:00 Return to room and discuss changes seen between the two visits. Relate to research projects with their classes.

3:30 Wrap up clean up and outline next workshop

Into the Woods

Geo-Walk 2 Workshop

October 19, repeated October 20

8:30am to 4:30pm Science Building E-243

Presenters: Peter Schmidt and Dr. Allan Ludman

8:30 - 9:00 Sign in, breakfast

9:00 - 9:15 Welcome back, outline coming year

9:15 - 9:45 Evaluation

9:45 - 10:30 Distribute research equipment.

10:30 -11:30 Review research strategies

11:30 to 12:00 Lunch

12:30 Leave for field trip to Orchard Beach

3:00 Board vans to return to campus

3:30 - 3:50 Evaluation

3:50 - 4:00 Wrap up

Into the Woods

Year 2 (biosphere) Workshop

February 8, repeated February 9, 2014

Queens College, Science Building room D-243

Presenter: Peter Schmidt

8:30 Welcome and brief re-cap of program.

9:00 Introduce Kate Toms, evaluator for grant:

Lead focus group discussion about several grant/program related issues.

Practicality of implementing strategies and activities introduced

Road blocks and hurdles to implementation

Wish list of additional topics that should be addressed

General feelings of direction of the program

10:00 Introduction to using Monarchs and Milkweed in the classroom.

Overview of pedagogic rationale, critique of Painted Lady activity

Monarch biology and migration

12:00 Lunch

12:30 Monarchs and Milkweed resources

Tour of Journey North website

Examination of Monarch Watch teacher guide. All participants received one.

2:00 Introduce Dr. Mary Leou of NYU Wallerstein Collaborative

Introduction and overview of Service Learning Projects and how they fit “Into the Woods”

4:00 Wrap up and homework assignment. Collect and prepare materials for upcoming workshop on Sharing and Best Practices to be held March 8 and 9, 2014.

Into the Woods

Best Practices Workshop

March 8 and 9, 2014

Queens College, Science Building room D-243

Presenter: Peter Schmidt

8:30 Welcome and brief reminder recap. Update on status of the Monarch's.

9:00 Full group discussion of problems, issues in moving program forward. Try to identify "Points of Entry".

10:00 Break up into work groups Identify specific grade, Scope and Sequence, Ready Gen Curriculum points where "Into the Woods" activities fit best.

12:00 Break for lunch

12:30 Discussion of upcoming Symposium. Planning.

1:30 Presentation: Follow up on Service Learning presented by Mary Leou.

3:30 Wrap up and invitation to arrange staff visits to schools and classrooms.

Into the Woods

Year End Review Workshop

June 7 and 8, 2014

Queens College, Science Building room D-243

Presenter: Peter Schmidt/David Jakim

8:30 Welcome and brief reminder recap. Update on status of projects.

9:00 Research works year end assessment

10:00 Break up into work groups Identify the pros and cons that have been experienced while working on the research projects

11:00 Outdoor activity. What plants do we find on campus at this time of the year?

12:00 Break for lunch

12:30 Discussion of highlands, lowlands and wetlands

1:30 Get ready for a field trip to Alley Pond

3:30 Wrap up and invitation to arrange staff visits to schools and classrooms.