

Into the Woods

Cohort 2 Workshop Agendas

Nov 23, 2013 – July 2nd, 2014

Printable Version

This List Will Be Updated on a Regular Basis

<u>Year 1, Fall 2013-Spring 2014</u>		<u>Year 2, Fall 2014-Spring 2015</u>		<u>Year 3, Fall 2015-Spring 2016</u>	
<u>Subject</u>	<u>Date</u>	<u>Subject</u>	<u>Date</u>	<u>Subject</u>	<u>Date</u>
Nature Awareness	Nov 23 and 24, 2013	Environmental Literacy Meeting	Nov. 1st, 2014		
Elementary GLOBE	Dec 7 and 8, 2013	World of Birds	Dec 6 and 7, 2014		
Weather	Jan 11 and 12, 2014				
Visualizing Coastal Change	Feb 1 and 2, 2014				
Geology	Mar 15 and 16, 2014				
Biology	April 26 and 27, 2014				
Pond Ecology (Make-up)	May 3rd and 4th, 2014				
GLOBE Research Pt. 1	June 30th, 2014				
GLOBE Research Pt. 2	July 1st, 2014				
GLOBE Research Pt. 3	July 2nd, 2014				

Into the Woods

Cohort 2, Workshop 1: Nature Awareness

November 23 repeated Nov. 24, 2013

Queens College Science Building Rm. E-243

Presenter: Peter Schmidt

- 8:30. Breakfast and Check in
- 9:00. Welcome, Introductions and Program overview
- 9:30. Evaluation introduction and pre-test
- 10:30. Leave for Nature Awareness field trip to Cunningham Park
- 11:00 Nature Awareness guided exploration
- 12:45. Leave park to return for lunch
- 1:00. Lunch at Queens College
- 1:30. Introduction to “Elementary GLOBE”
- 2:00. Teachers self directed review of assigned “Elementary GLOBE” materials
- 3:00. Teachers present out to group summary of their project
- 3:45. Summary
- 4:00. End

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Elementary GLOBE Workshop

December 7 and repeated December 8, 2013

Queens College, Science Building room D-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

Teacher 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.

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Weather Workshop

January 11 repeated January 12, 2014

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.

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Visualizing Changing Coastlines Workshop

February 1st and February 2nd, 2014

Queens College, Science Building room E-243

Presenter: Nordica Holochuck, Hudson Estuary
Specialist, New York Sea Grant

8:30: Opening and Introductions

Geospatial Globe Activity: Catch the Ocean for Teachers

Visualizing Coastal Change: What is a watershed?

Visualizing Coastal Change In the NY Metro Area

Remote Sensing, Reading Topographic Maps, Topographic map exercise, Aerial Photographs, Airphoto Exercise

Geospatial Materials for Coastal Restoration

Bronx River Restoration Video from The American Museum of Natural History

Soundview Park and Liberty State Park Site Introduction

Site characterization Exercise and group Reporting

Mapmaking With Children: A sense of Place Education

River Puzzle Activity Hudson River Profile Model Activity Build your Watershed Activity

4:00 Wrap up, Evaluation, Resource Materials distributed

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Geology Workshop

March 15 repeated March 16, 2014

Queens College, Science Building room D-243

Presenter: Dr. Allan Ludman

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

Discussion of any “Into the Woods” activity. Reminder that staff is available to lead, assist or provide moral support for anyone wanting to plan a trip. 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

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Biology Workshop

April 26 and 27, 2014

Queens College, Science Building room D-243

Presenter: Peter Schmidt

8:30 Welcome and brief recap.

9:00 Full group discussion of problems, issues in moving program forward. Acknowledge successes, please share any trips or activities you have done. Try to identify "Points of Entry".

9:30 Introductory activity, How common is your favorite animal?

9:45 Why a Bug?

12:00 Break for lunch

12:30 Field trip to Cunningham Park, Bugs and basic Forest Ecology

Activities: Big Bug Hunt! (the hunt is big, not the bugs!), Magic Windows, Leaf Litter Examination.

3:00 Return to campus

3:30 Wrap up

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Pond Ecology Workshop - Make up

May 3, 2014, and repeated May 4, 2014

Queens College, Science Building room D-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.

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GLOBE Research Pt. 1 Workshop

Cohort 2

June 30, 2014

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

July 1, 2014

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

GLOBE Research Pt. 3 Workshop

July 2, 2014

Queens College, Science Building room E-243

Presenter: Peter Schmidt

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

9:00 Evaluation follow up.

10:00 On campus nature walk.

Examples of how to identify natural processes in an urban setting.

Magic windows and discussions on how to craft inquiry questions about the environment.

“OH Deer” activity and wrap up.

12:00 Break for lunch

1:00 Discuss choosing research topics for next school year.

Review what equipment goes with each selection.

Point out grade relevance of various choices and how to craft topics to a grade level.

Teachers work in groups to pick their topics and fill out registration sheet with their choices.

3:00 Review choices, Outline agenda for next year. Wrap up and final words, year 1.

Into the Woods

World of Birds Workshop

December 6th and 7th, 2014

Queens College, Science Building room D-243

Presenter: Lindsay Glasner, k-12 Birdsleuth Program,
Cornell Lab of Ornithology

8:30-9:00 Registration, Introduction and Brief Orientation: Lab and BirdSleuth, Overview of day

- Participant introductions (introduce partner: name, where they teach and role, favorite bird)
- Introduction to *Habitat Connections*
- Imagine life as a bird

9:30-10:45 Habitat Investigation (*Lesson 1*)

- 9:30-10:25 What is Habitat? Outdoor Scavenger Hunt; Bird Bingo (Trent)
- 10:25-10:45 [Create a habitat map and watch for birds \(Trent\)](#)
 - YardMap - map your habitat drawing online

10:45-12:30 Citizen Science, Bird Identification, and Modeling Migration

- 10:45-11:00 Introduction to citizen science What is citizen science?
- 11:00-11:45 Bird ID: Merlin, bird types, field guides (Trent)
 - Create a field guide—each individual select a “focus bird” to intro
- 11:45-12:30 eBird count (Trent) and Data entry

12:30-1:15 Lunch

1:15-3:45 Habitat Connections Activities: Lesson 6: Modeling Migration (Trent), Lesson 2: Migration Obstacle Course (Trent), Lesson 3: Bird Survivor, Lesson 5: Scientist in Action

- 3:00-3:30 Schoolyard projects
 - Introduction to BirdSleuth Inquiry and Action Map

3:30-4:00 Wrap Up,

Discussion: Will you take Action? Reflections on the curriculum? Workshop Evaluation