



# GLOBE Goes to Camp

## NESEC Informal GLOBE Pilot Project

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### Camps Selected

1.) Camp Discovery  
(Rural) Blythewood, SC



2.) Old Dominion Day Camp  
(Suburban) Hampton, VA



3.) Children's Discovery  
Museum (Urban) Normal, IN

### Activities Camps Selected

#### GLOBE Informal Activities Selected by Each Camp

Key: S-Selected for this Summer M-Maybe F-In the Future  
  Selected by All 3   Selected by 2   Selected by 1

Day 1: Air	Camp Discovery	Old Dominion Day Camp	Children's Discovery Museum
Phenolphthalein: Clouds and Surface Temperature	S	S	S
WAXA Storybook: The Air We Breathe	S	S	S
GLOBE Elementary Book: What's Up in the Atmosphere	S	S	S
Why Clouds Do What They Do	S	S	S
Making a Gas You Can Not See	S	S	S
Observations Using the Wet Windshield	S	S	S
Making a Sundial	S	S	S
GLOBE Elementary Book: Did You Know the Clouds Have Names?	S	S	S
Cloud Observation	S	S	S
Clouds in an Activity	S	S	S
Cloud in a Bottle	S	S	S
Visual Inquiry: Cloud Class	S	S	S
Day 2: Water	Camp Discovery	Old Dominion Day Camp	Children's Discovery Museum
Phenolphthalein: Water Temperature, Freshwater Macroinvertebrates, Water pH	S	S	S
Elementary GLOBE Book: Discoveries at Willow Creek	S	S	S
Macroinvertebrates	S	S	S
Magnifying Glass	S	S	S
Water Coverage Map: Water in Our Local Area	S	S	S
Elementary GLOBE Book: Water in Our World	S	S	S
Water Walk	S	S	S
Water Wonders	S	S	S
Day 3: Land	Camp Discovery	Old Dominion Day Camp	Children's Discovery Museum
Phenolphthalein: Soil Characterization and Landcover	S	S	S
Elementary GLOBE Book: Soils on Earth	S	S	S
Getting to Know Soil	S	S	S
Characterization of Soil	S	S	S
Planting with Soil	S	S	S
Soil Temperature	S	S	S
Soil Pore Water	S	S	S
Soil Pore Water Through	S	S	S
Landcover Walk	S	S	S
Landcover Things Up	S	S	S
Day 4: Life	Camp Discovery	Old Dominion Day Camp	Children's Discovery Museum
Elementary GLOBE Book: Mystery of the Missing Hummingbirds	S	S	S
Bird Book Classification	S	S	S
Soil in the Hummingbirds (Design a Hummingbird)	S	S	S
Local Bird Observations	S	S	S
Day 5: Earth as a System	Camp Discovery	Old Dominion Day Camp	Children's Discovery Museum
Earth System in a Bottle	S	S	S
Connecting the Parts of the System	S	S	S

### Implementation Plan

**Prior to Implementation:** Three camps were selected to participate in the pilot "GLOBE Goes to Camp". Selections were made based on interest and level of commitment with representation from rural, suburban and urban areas. Each camp was given two options from which to select activities to incorporate into a week long Earth as a system camp experience. Camp directors and their staff selected the activities that fit best within their specific camp settings. Directors and facilitators were provided copies of the GLOBE learning activities, Elementary GLOBE Books, and training based on their requests and needs. Upon request from Camp Discovery assistance was provided in the writing of a YLACES Grant, which was approved for funding to purchase instruments and supplies for conducting GLOBE investigations.

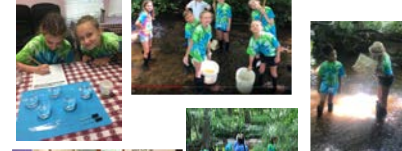
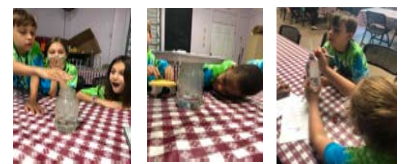
**During Implementation:** Communication was maintained with the Camp directors and Camp counselors throughout the experience. Camps selected Team GLOBE Researchers from among the campers to serve as leads in the GLOBE data collection process. At the end of the week a virtual connection allowed for Tina Harte to interact with the camp counselors and the team GLOBE researchers to discuss the data they had collected.

### Activities In Action

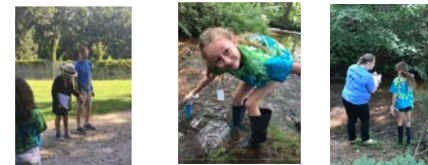


ODU Day Camp

Camp Discovery



### Collecting GLOBE Data



### After Implementation

- A google form is being used to allow camp facilitators the opportunity to provide feedback for the activities that they implemented.
- Photos are being provided of each of the activities being implemented, in addition to copies of campers' journal entries as they completed the selected activities.
- End of week virtual tag-ups allow for campers and counselors to share the results of their data collection throughout the week.
- At the end of the camp experience there will be a virtual meeting conducted with each camp director to discuss 'big' picture "glows" and "grows".
- At least one of the camps will be continuing their pilot as they work with school groups during the 2019-2020 school year.

### Feedback Quotes

- Thank you for your tremendous support to make our camp rich with citizen science and dreams of all that is possible with people like you.
- Cloud in a Bottle & Building a Thermometer were two of the most favorite activities that our campers did last week.



### Next Steps



- Based on feedback received for each of the activities that were implemented, edits will be made to further develop the set of GLOBE informal activities.
- In January of 2020, camps will be contacted to determine interest in participating in the Summer 2020 Pilot, with focus being given to camps serving under-represented groups.
- March of 2020, camps will be selected for the Summer 2020 Pilot.
- April 2020, resources will be distributed and the pilot for Summer 2020 will begin.