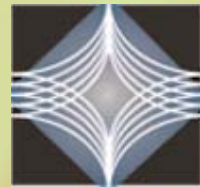




# PINELANDS PRESERVATION ALLIANCE & THE BONAZZI FOUNDATION FOR THE PROMOTION OF SCIENCE EDUCATION PRESENT:



## Life Science Field Training Institute

### June 25-28, 2018

#### PROGRAM HIGHLIGHTS:

- Exploring abiotic and biotic parameters in ecosystems
- Use of biostatistics
- Canoe trip and investigation of aquatic habitats of the NJ Pinelands
- Resurrection of taxonomy - field journals
- Transects and vegetation analysis
- Biodiversity and community ecology
- Species area curves and population dynamics
- Tour of the Rutgers University Pinelands Field Station
- Resources use and management
- Bird studies and habitat fragmentation
- Merging field exercises with service projects
- Citizen Science Programs

*Note: Program specifics are subject to change.*



#### WHO SHOULD PARTICIPATE?

- Teachers interested in complementing existing Life Science courses or developing advanced Biology and Environmental Science Programs
- Facilitators of science independent study or honors projects in science
- Math educators interested in incorporating field data sets in the classroom
- Educators seeking Professional Development Credits

The program will be held at the Bishop Farmstead (headquarters of the Pinelands Preservation Alliance) in Southampton, NJ and at selected sites in the New Jersey Pinelands.

*For more information, contact Ryan Rebozo at (609) 859-8860 x 126. To register online, go to [www.pinelandsalliance.org/teachers/lifescience/](http://www.pinelandsalliance.org/teachers/lifescience/)*

Graduate credits are available for this course through Rutgers University. Rutgers University is responsible for cost per credit



# PINELANDS PRESERVATION ALLIANCE & THE BONAZZI FOUNDATION FOR THE PROMOTION OF SCIENCE EDUCATION

Life Science Field Training Institute | June 25-28, 2018

## GOALS

To offer educators a multi-day field science experience in order to strengthen field-based investigations in their teaching and improve student performance.

The program will introduce participants to a variety of terrestrial and aquatic habitats as various topics in the biological and environmental sciences are explored, including general ecology, population dynamics, community interactions, field sampling technique, endangered species conservation, biodiversity, water pollution, resource use and biostatistics.

Participating science educators will be better prepared to incorporate student-collected data sets and investigations into the lab and lecture components of their curricula. Facilitators of Independent Study or Honors Science programs will be able to diversify the opportunities for young scholars. Teachers and districts considering expanding their AP\* offerings will be prepared in field and lab techniques that will support new curricula. Field trip planning, group management techniques, curriculum mapping and interdisciplinary opportunities will be discussed and explored.

## FACILITATORS

Ron Smith, Biology, Ecology and Environmental Studies Educator

Ryan Rebozo, Director of Conservation Science PPA

**Program Fee: \$50.00 (fully refundable after completion of the course)**

**To register online, go to [www.pinelandsalliance.org/teachers/lifescience](http://www.pinelandsalliance.org/teachers/lifescience)**

**For more information, contact Ryan Rebozo, Pinelands Preservation Alliance**

**(609) 859-8860 x126 or**

**[ryan@pinelandsalliance.org](mailto:ryan@pinelandsalliance.org)**

**For more information about the Bonazzi Foundation,**

**go to [www.bonazzifoundation.org](http://www.bonazzifoundation.org)**

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