About the AP® Environmental Science Summer Institute
This session is designed for both new and experienced teachers. At this summer’s institute you will have an opportunity to get hands-on experience with APES labs and activities, plan your next year’s program, review course content and the released exams, and review the free response questions from the 2017 exam. We will review textbooks and survey Internet resources throughout the week. You will be receiving several textbooks and reviewing several sample lab programs during the week. You will learn how to transform traditional labs into inquiry based labs. We will be going on several field trips during the week as well. The main goal of this week is to help you develop a comprehensive and successful course.

The tentative timeline is as follows:

Day 1
- Introduction and Week’s Overview
- Review of the APES® Participant's Manual (College Board manual, handouts and CD)
- Overview of the AP® Environmental Science Course
- Textbook options/text selection.
- First nine weeks at a glance – content and activities
- Overview Video - Endangered Planet Video
- Syllabus Resources
- LUNCH
- Student workload: homework
- Lab basics expected labs, long and short term labs, inquiry-based labs
- FRQ #1: rubric use

Day 2
- Specific information on the major content areas
- Lab manuals
- Field trips
- Lab resources
- Field work for water testing
- Eco-column design and construction
- LUNCH
- Computer lab: on-line resources (videos, software, websites)
- Human demographic activities
- Prep for LC50
- FRQ #2
- Continue discussion on planning your course and strategies for success

Day 3
- Field trips
  - Waste Water Treatment Facility, Landfill, Recycling Center
- Lunch
- Biodiversity lab
- Toxicity & risk activities
- Math for APES
- Chemistry of Air Pollution
- FRQ #3

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Day 4
- FRQ# 4
- Lecture-content specifics continued
- Complete lab activities
- "Post Exam" activities
- Lunch
- Participant Share-a-thon → Share favorite labs, resources, and ideas
- Wrap up - Final thoughts and comments on this course, evaluations

What to bring:
Items you should bring during the week include:
- a laptop computer or tablet & storage device
- a copy of your school’s academic calendar
- a current syllabus
- a copy of the textbook you will be using next year
- closed-toe shoes (for laboratory work)
- one lesson plan to share
- one best practice to share
- comfortable clothes and shoes for walking in the summer heat
- a light sweatshirt or sweater in case you get chilly in the AC

Instructor:

Scottie Smith is the Upper School Principal and AP Environmental Science and AP Chemistry teacher at The Canterbury School of Florida in St. Petersburg, Florida. Scottie received her BS in Microbiology from Auburn University in 1988 and her PhD. in Microbiology from Texas A&M University in 1993. She was an adjunct professor at the University of Tampa teaching Environmental Science for several years. She has been teaching AP ES since 1998 and has been a reader since 1999. She served as a table leader from 2003 – 2008 and 2014 - 2016. She has been a College Board Consultant since 2001, presenting workshops and weeklong institutes. She is the Editor of the AP Environmental Science Special Focus: Ecology, published in the fall of 2008. Scottie is actively involved in preparing students for the Envirothon, North America’s largest environmental competition. Her 1999 and 2003 teams were the Florida Envirothon champions.

Hugo Collantes is Lecturer in Ecology and Environmental Science at University of North Georgia, and coordinator of Environmental Science for the Oconee Campus. He holds a B.S. degree in Biology from Cayetano Heredia Peruvian University and a M.S. degree in Conservation Ecology and Sustainable Development from UGA's Odum School of Ecology. In addition, he collaborates with the Education Department at the State Botanical Garden of Georgia as field instructor for K-12 programs. He has assisted in teaching A.P. Environmental Science at the Summer Institute since 2012.