Course Description

The unique focus for the week will be the investigation of multidisciplinary nature of the environmental science curriculum through terrestrial ecology, agriculture and food resources.

Environmental Science is the most multidisciplinary of the AP science subjects. This workshop will incorporate both lecture and laboratory aspects of the course. Designed for the experienced and new AP Environmental Science teacher, this course will consider the challenges of starting, continuing and enhancing a successful APES program.

Participants will complete a variety of field activities, including an array of useful techniques for analyzing plant and animal populations in terrestrial ecosystems. Methods will incorporate both traditional techniques and calculator-based labs.

The most useful websites for APES teachers and students will be investigated thoroughly.

This institute will incorporate significant fieldwork and participants should be prepared for light hiking over short distances.

What Participants Might Want To Bring

Participants should bring a minimum 1G flash drive for download of all course materials.

The instructor will provide insect repellent and sunscreen as needed, but participants might want to bring a camera, binoculars, notebook, walking boots or shoes, and hat for fieldwork. Participants should have one pair of shoes that they do not mind getting wet and/or muddy.

BIO

Brian Kaestner currently teaches AP Environmental Science and AP Human Geography at Saint Mary’s Hall in San Antonio, where he has been on the faculty for 32 years.

In 1993, Brian received the “Special Recognition Award” from College Board and was a TEA state nominee for the “Presidential Awards for Excellence.” In 2000, he received the “Siemens Award for Advanced Placement Teaching.”
With a B.S. in Biology and an M.S. in Environmental Management, Brian also serves with the College Board as an Advanced Placement consultant and as a table leader at the APES reading. He is also the moderator for the College Board APES Community Forum. A veteran of both public (PA) and private (NY, TX) schools, Brian is in his thirty-sixth year teaching and coaching soccer.