syllabus

2012 APSI for New AP Environmental Science Teachers

**Instructor contact information:**

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**Course objectives:**

Participants will discuss how to best prepare their students for the AP environmental science exam. Strategies for insuring student success on both the free response and selected response sections will be covered.

Following examples from the course content, participants will design lab activities that are appropriate for the AP level class.

Participants will create a syllabus that meets the requirements of the AP audit.

Using their 2012-13 school calendar, participants will map out the scope and sequence of the content from the AP course description as they intend to teach it.

**Course schedule:**

**Day 1**

Introductions

Course Expectations

Opinion Survey

The AP Exam

- Test taking strategies- powerpoint presentation

- Analysis of 2008 selected response section

- Writing/Scoring AP essays

AP Audit information

Required reading: AP environmental science course description available at <http://apcentral.collegeboard.com/apc/public/repository/ap-environmental-science-course-description.pdf>

**Day 2**

Field trip to Deer Island WWTP

Start copper extraction lab

Plan ant biodiversity lab

Time to plan participant-designed lab

**Day 3**

Set up ant biodiversity lab

Collect soil samples

Set up soil respiration lab

Soil texture lab

Collect ants before lunch

Finish copper extraction lab

Computer lab

 -population activities

 -biodiversity activity

 -AP Central

 - AP audit work if needed

 - research/work on lab

**Day 4**

Water testing using Pasco probeware

Ant lab data analysis

Finish soil respiration lab

BOD lab

Energy and Climate change activities

**Day 5**

Energy efficiency lab

Horsepower lab

Share participant-designed activities

Final questions/Paperwork

**Course Requirements: Due Friday, August 2, 2012**

1. Working alone or with a partner each participant will design and share an original lab activity appropriate for use in an AP environmental science class.
2. Each participant will create a syllabus to meet the requirements of the AP course audit. Those participants who have already had syllabi approved by the College Board are exempt from this requirement.
3. Using a 2012-13 school calendar and appropriate textbook, each participant will provide a scope and sequence showing how they intend to cover the AP environmental science course content (may be combined with requirement number 2)