

AP Environmental Science (APES) Summer Institute

Green Valley High School; Henderson, Nevada—Summer 2012

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Monday Morning

Preliminaries and Introductions: A preview of the institute, and time to find out who is here and what everyone hopes to get out of the institute.

APES Curriculum: An overview of the topics covered APES.

Afternoon

APES Curriculum: Continuation of the overview of the topics covered APES.

AP Central & AP Audit: An outline of the information and resources available on the AP Central website, and a summary of the College Board's AP audit policy.

Textbook Assessment: A discussion of the strengths and weaknesses of the most commonly used textbooks for APES.

Tragedy of the Commons Activity: Participants will take part in an activity designed to demonstrate Garrett Hardin's "Tragedy of the Commons".

Soil Salinization Lab: Participants will set up this lab, and monitor its progress throughout the week.

Tuesday Morning

APES Curriculum: Continuation of the overview of the topics covered APES.

Cookie Mining: Participants will participate in this mining simulation.

Soil Lab: Participants will perform the soil texture portion of this lab.

APES Exam Session: Strategies for guiding students as they review and prepare for the APES exam.

Afternoon

APES Exam Session: Strategies for guiding students as they review and prepare for the APES exam.

Habitat Loss Lab: Participants will perform this lab.

Species Diversity Lab: Participants will perform this lab.

Oh Deer!: Participants will take part in an activity from Project Wild.

Wednesday Morning

Field Trip: TBA

Afternoon

Tagging Lab: Participants will perform this lab.

Soil Lab: Participants will complete the soil texture portion of this lab.

Risk Assessment Lab: Explanation of a risk assessment survey that participants may complete and analyze.

Thursday Morning

Ozone Lab: Participants will prepare and hang ozone detection strips.

Soil Salinization Lab: Participants will record their final observations, and complete this lab.

APES Exam Session: Strategies for guiding students as they review and prepare for the APES exam.

Afternoon

Ozone Lab: Participants will check their ozone detection strips.

After the APES Exam: A project idea for maintaining student interest following the AP Exam.

Wrap-Up: Tie up loose ends, answer questions, complete evaluations, and wrap-up the institute.