

**ADVANCED PLACEMENT BIOLOGY**  
**2008 Silver State – Las Vegas – Workshop**

**Although we are actively doing only 6 labs all labs will be discussed in detail**

**Monday (6/23/08)**

- 8:00-10:00 Orientation – Welcome and Introductions - AP Biology Course - discussion of philosophy, history, value in High School - Emphasis on current changes - equity
- 10:15-12:00 Lab #2 – “Enzymes” – Alternate by Carolyn Eberhard – Baseline  
– Enzyme and substrate concentrations – pH and Temperature will be addressed and compared
- 1:00-3:00 Analysis of Data - Continuation of "The Course" – Introduction to Fish Protein Analysis
- 3:15-4:00 Lab #10 “Daphnia and Heart Rate” (Q10)  
Sharing activities that have worked and support the audit requirements

**Tuesday (6/24/08)**

- 8:00-10:00 AP Biology Exam – Structure Test Strategies – Use of past AP multiple-choice exams as diagnostics – Essay component – 2007 exam Ques #1  
Discussion of AP Grading - Recent exams
- 10:15-12:00 Lab #6B– “Fish Protein Analysis” – Bio-Rad - Analysis by acrylic gel electrophoresis of 8 fish – developing a cladogram to support data.
- 1:00-3:00 Lab #6A – Bacterial Transformation – pGlo Bio-Rad  
Review of AP Biology Curriculum - the future -concepts
- 3:15-4:00 Begin review of 2008 AP Biology Exam

**Wednesday (6/25/08)**

- 8:00-10:00 Review cladograms – evolution connections.  
The audit – examples – value – redesign objectives
- 10:15-12:00 Lab #9 - "Transpiration" - Use of available plants – shortcuts - alternatives
- 1:00-3:00 Lab #4 – Photosynthesis with additions
- 3:15-4:00 2008 Exam– Summary of reading – student misconceptions  
subject errors – confusion relating to questions directions, - etc.

**Thursday (6/26/08)**

- 8:00-10:00 Overview of Lab importance - value, function, dedication, ways for students and teacher to succeed - overview of recent survey and probable future labs
- 10:15-12:00 Lab #12 – “Dissolved Oxygen and Aquatic Productivity”  
Using Wards Snap vials
- 1:00-3:00 Wrap up – sharing via participants – favorite classes – demonstrations – etc.
- 3:15-4:00 Evaluations – clean-up and goodbyes