

AP BIOLOGY

Course Description

Change is coming to AP Biology with a new exam in 2013. The main focus of this workshop will be how to implement the new course. Activities will address the new curriculum framework. The four big ideas, enduring understandings, essential knowledge, and the learning objectives and science practices that the exam questions are based on will be stressed. With the shift to an inquiry approach to the laboratory component, participants will learn how to set up, troubleshoot, and perform some of the new AP Biology Labs as presented in the new AP Biology Laboratory Manual for Students. Ideas for incorporating inquiry into the existing labs and other lab activities will also be discussed. Other workshop highlights include how to organize your course and prepare your new syllabus for the audit. Resources for preparing class activities and lectures will also be presented. Finally, participants will review the grading of the 2012 AP Biology Examination, participate in a mini “mock reading” of sample AP Biology Free Response questions, and share successful review strategies that can be used with your students. Special attention will be given to the new exam format.

Silver State AP Institute – AP Biology Weekly Agenda

Monday 6/25	Tuesday 6/26	Wednesday 6/27	Thursday 6/28
Welcome & Introductions AP Biology Course Overview – Change! Osmosis and Diffusion Lab - inquiry approach Set up Transpiration Lab	Plant Pigments Lab Photosynthesis – Leaf disk Lab	Transformation Lab 2012 Essay Question 2	Read plates DO Lab data collection 2011 Essay Question 4
Break	Break	Break	Break
Finding the EU’s Learning Objectives Science Practices What is inquiry?	New Labs - Overview Inquiry Mitosis Lab Meiosis Lab	DNA Gel Electrophoresis Lab Pour gels Load gels Run gels	Time for syllabus development
Lunch	Lunch	Lunch	Lunch
The NEW AP Biology Exam 2012 Essay Question 1	Cell Respiration Lab	Stain gels Analyze gels DNA Extraction DNA Models Time for syllabus development	Population Genetics and Evolution Lab Test Preparation Strategies
Break	Break	Break	Break
Animal Behavior Lab– Is this inquiry? Fruit Fly behavior Lab	Computer lab to look at on line resources– AP Central and more Syllabus preview	Set up Dissolved Oxygen Lab 2012 Essay Q 3	Share an activity

*Agenda subject to change. Flexibility is the key☺