

Advanced Placement Biology

2011/2012 academic year - This schedule is posted on the AP Biology Share Point Site

Readings from Biology (Campbell and Reece, 7th edition) and *Cliff's AP Biology*
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Topic Sequence, Readings, Laboratory Activities, Projects, Field Experiences and Assessments - a Tentative Schedule

The following table charts our course for this class. Due to the vast amount of content covered, class lectures will strive to elucidate main ideas presented in the assigned readings. Questions and discussion are encouraged over material read outside of class. **It is very important** that you keep up with this assigned reading! An AP Biology notebook will be used to help document your journey. Notebooks are due on scheduled quiz days. Lab reports and completed lab handouts due 1 week after the lab was conducted in class unless specified otherwise. Case studies are due two weeks following the day they were assigned unless specified otherwise.

INTRODUCTION TO BIOLOGY AND THE PROCESS OF DOING SCIENCE / ANIMAL BEHAVIOR					
Week	AP Topic	Chapter/Section - Campbell and Cliffs AP Biology reading section	Notebook Ch. Review	Class activities (labs, simulations, case studies, etc.)	Assessment
0/1 Chapters 1, 2, 50 & 51 due 08/30 8/29-9/02 Drop in Chem. review- Wed.	Introduction Biology: a thematic approach Characteristics of life Science as a Process Levels of biological organization Population dynamics, biotic potential and limiting factors.	1.1-1.5-Introduction- 2.1-2.4- The Chemical Context of Life 50.1-50.4 – An Introduction to Ecology and the Biosphere 51.2-51.6 – Animal Behavioral Adaptations Cliffs: Animal behavior 273-279 – due 8/31	Ch.1 Cliffs review-animal behavior.	Learning style inventory/questionnaire Grand unifying themes of biology Scientific Investigations-an Overview/Designing an Experiment Intro to Ecological Connections Project	Quiz:- * Ch. 1&2
2 9/5-9/9		52.1-52.6- Population Ecology Population Dynamics Cliffs: 285-300	Ch 52 Experimenta l design.	Writing a laboratory report *Lab : Animal Behavior-Lab/ report	Quiz: Ch. 50-51- experimental design
ORGANISMS AND POPULATIONS: ECOLOGY					
Week	AP Topic	Chapter/Section - Campbell and Cliffs AP Biology reading section	Ch. Review	Class activities (labs, simulations, case studies, etc.)	Assessment
3 9/12-9/16	Communities and Ecosystems	53.1-53.5: Community Ecology 54.1-54.5: Ecosystems	Cliffs review Ch. 53 and 54	Presentations on AAA special report on human population	
4 9/19-9/23	Global Issues	55.1-55.4:Conservation Biology and Restoration		Field Trip: Snow Lake Watershed Restoration Project	*ECP
5 9/26-9/30	Water	3.1-3.3: Water and the Fitness of the Environment Cliffs: 13-26	Ch.3 Cliffs review	*Lab: Dissolved Oxygen and Aquatic Primary Productivity/ report	