## **Advanced Placement Biology**

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

## Readings from Biology (Campbell and Reece, 7<sup>th</sup> edition) and *Cliff's AP Biology* &

## & Topic Sequence, Readings, Laboratory Activities, Projects, Field Experiences and Assessments - a <u>Tentative</u> 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 I 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.

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	Introduction	1.1-1.5-Introduction-		Ch.1	Learning style inventory/questionnaire	Quiz:-
Chapters 1, 2	2, Biology: a thematic	2.1-2.4- The Chemical Context of Lif	e e		Grand unifying themes of biology	* Ch. 1&2
50 & 51 due	approach	50.1-50.4 – An Introduction to Ecolog	gy	Cliffs review-	Scientific Investigations-an	
08/30	Characteristics of life	and the Biosphere		animal	Overview/Designing an Experiment	
8/29-9/02	Science as a Process	51.2-51.6 – Animal Behavioral		behavior.		
	Levels of biological	Adaptations			Intro to Ecological Connections Project	
Drop in	organization	Cliffs: Animal behavior				
Chem.		273-279 – due 8/31				
review- Wed	<ol> <li>Population dynamics</li> </ol>					
2	biotic potential and	52.1-52.6- Population Ecology Popula	ation	Ch 52	Writing a laboratory report	Quiz:
9/5-9/9	limiting factors.	Dynamics			er i a : iD i : T i/	Ch. 50-51-
,,,,,,	mining metors.	Dynamics		Experimenta	*Lab : Animal Behavior-Lab/ report	Cn. 50-51-
		Cliffs: 285-300		l design.	*Lab : Animal Behavior-Lab/ report	experimental desi
			Ch.	l design.	*Lab : Animal Behavior-Lab/ report  ass activities (labs, simulations, case studies, etc.)	
ORGANI Week	SMS AND POPULA	Cliffs: 285-300 TIONS: ECOLOGY Chapter/Section - Campbell and		l design.  Review C	,	experimental desi
ORGANI Week	SMS AND POPULA AP Topic	Cliffs: 285-300 TIONS: ECOLOGY Chapter/Section - Campbell and Cliffs AP Biology reading section	Cliffs	l design.  Review C	ass activities (labs, simulations, case studies, etc.)	experimental desi
ORGANI Week 3 9/12-9/16	SMS AND POPULA AP Topic Communities and	Cliffs: 285-300  TIONS: ECOLOGY  Chapter/Section - Campbell and Cliffs AP Biology reading section 53.1-53.5: Community Ecology 54.1-54.5: Ecosystems	Cliffs	Review CI S review 63 and 54	ass activities (labs, simulations, case studies, etc.) escentations on AAA special report on human population	experimental desi
ORGANI	SMS AND POPULA AP Topic Communities and Ecosystems	Cliffs: 285-300  TIONS: ECOLOGY  Chapter/Section - Campbell and Cliffs AP Biology reading section 53.1-53.5: Community Ecology	Cliffs	Review CI S review 63 and 54	ass activities (labs, simulations, case studies, etc.)	experimental desi
ORGANI Week 3 9/12-9/16 4	SMS AND POPULA AP Topic Communities and Ecosystems	Cliffs: 285-300  TIONS: ECOLOGY  Chapter/Section - Campbell and Cliffs AP Biology reading section 53.1-53.5: Community Ecology 54.1-54.5: Ecosystems 55.1-55.4:Conservation Biology and	Cliffs	Review CI s review 33 and 54 Fi	ass activities (labs, simulations, case studies, etc.) escentations on AAA special report on human population	Assessment *ECP
ORGANI Week 3 9/12-9/16 4 9/19-9/23	SMS AND POPULA  AP Topic  Communities and Ecosystems Global Issues	Cliffs: 285-300  TIONS: ECOLOGY  Chapter/Section - Campbell and Cliffs AP Biology reading section 53.1-53.5: Community Ecology 54.1-54.5: Ecosystems 55.1-55.4:Conservation Biology and Restoration	Cliffs Ch. 5	Review CI Fi Fi *1	ass activities (labs, simulations, case studies, etc.) esentations on AAA special report on human population eld Trip: Snow Lake Watershed Restoration Project	Assessment *ECP