



# AP Biology Course Agenda '14-'15

(Saturday Study Sessions: SSS)



TENTATIVE DATES	TOPIC	SUB-TOPICS	LABORATORIES	TEXT REFERENCE CAMPBELL'S 7 <sup>TH</sup> ED.
8/13-8/14	General AP Info. Overview of Biology as a Science	-4 Big Ideas	N/A	
8/15-9/1	Evolution	-Origin of Life -Darwin & Natural Selection -Hardy-Weinberg Theorem -Speciation -Meiosis	*Population Genetics & Evolution	Ch. 22-24; Ch. 13
9/2-9/12 SSS: 9/6; 9-11am	Scientific Method (Experimental Design) Animal Behavior	-Innate & Learned Behaviors -Sociobiology	*Animal Behavior	Ch. 51
9/15-10/13 SSS: 10/4; 9-11a	Ecology	-Distribution of Organisms -Population Ecology -Communities -Ecosystems & Biochemical Cycles	*Dissolved Oxygen Primary Productivity	Ch. 50; 52-54
10/14-10/31	Biochemistry	-Macromolecules -Enzyme Structure & Function -Digestive System (?)	TOPS Amylase Lab	Ch. 5; 8 & (41?)
11/3-12/12 SSS: 11/15; 9-12p	Molecular Biology Biotechnology	-DNA Replication -Protein Synthesis -Gene Control in Eukaryotes & Prokaryotes -Viruses & bacteria	TOPS Gel Electrophoresis *E. coli Transformation	Ch. 12; 16-18; 20
12/15-12/18	FIRST SEMESTER FINALS EXAM WEEK	EVERYTHING from 1 <sup>st</sup> Semester	N/A	REVIEW & STUDY!!!

1/5-1/20	Cell Communication I	-Immune Response -Cancer & Cell Cycle	N/A	Ch. 43; 19
1/21-2/10	Genetics	-Mendelian Inheritance Patterns -Non-Mendelian Inheritance Patterns	*Virtual Fly Lab (Chi Sq.) *Fast Plants	Ch. 14-15
2/11-3/2 SSS: 2/14; 9-11a	Cells	-Cell Respiration -Cell Membrane Structure & Function	*Diffusion & Osmosis *Cell Respiration	Ch. 7 & 9
3/3-3/31	Animal Biology (Cell Communication II)	-Animal Hormones -Nervous System & Muscle Action -Circulatory & Resp System	TBA	Ch. 42; 45; 48
4/1-5/8 SSS: 4/4; 9-11a ??	Plant Biology	-Photosynthesis -Transport & Gas Exchange -Plant Diversity & Cladograms	*Transpiration *Photosynthesis	Ch. 10; 29; 35-36
3/23-5/1 SSS: 4/11; 8-12p	AP BIO. Review	Review Packets & Practice Tests		
Sa 4/25; 8-10:30a Sat. 5/9; 8-11:30a	AP Bio Final Exam AP Bio Final Exam	Part II (2 Long & 4 Short FRQs) Part I (60 M/C & 6 Grid-ins)		
5/11	AP BIO EXAM	GET A LOT OF REST! EAT UP @ OUR ANNUAL AP BIOL. BREAKFAST!	MS. NG WILL BE SENDING POSITIVE THOUGHTS TO ALL OF YOU!	8am – 11am (Old Gym) Bring school I.D., pencils, pens, and 4-function calculator
5/12-5/22	Videos/Projects/ Presentations/ Debates etc.			
5/26-5/27	2nd SEMESTER FINALS			