

Tentative Schedule; Honors Biology; Fall, 2008

Date	Lesson-Topics	Ch. Reading	labs/Assessments
Aug. 27	Introduction - syllabus, characteristics, fish		- Reflection assignment
Aug. 28	Galopogous Video -		
Aug. 29	HW- Make solutions index cards HW-setup lab Notebooks		
Sept. 01	Labor Day		
Sept. 02	Evolutionary specialists activity	Start Wingradsk i columns labs	Reflections Due
Sept. 03	Reflections due, regroup & put posters		Group Presentations
Sept. 04	together, present		
Sept. 05	Kitts Island assessment		
Sept. 08	Kitts Island write-up due, Microscope	Bacterial resistance lab	Kitts Island write-up
Sept. 09	practical, metrics & conversions practical,		Kitts Island write-up Due
Sept. 10	serial dilutions practical, Density		
Sept. 11	experiment (practice scientific methods),		
Sept. 12	Agar plating practical		
Sept.15	Ecological Study	Begin duckweed pop. lab	Pond survey
Sept.16			
Sept.18			
Sept.19			
Sept.25	Stimulus/ response & behavior	Open Lab	Elementary school Presentation
Sept.26	Classification - kingdoms		
Sept.27	Protozoa supply house & educational instruction		
Sept.28	OPEN HOUSE		
Sept.29			
Oct.02	Gram staining & wingradsky lab completed		
Oct.03	Ecological Study	End duckweed pop. Lab Air pollutin lab	Ecological report Due
Oct. 04	Air pollution (lichen)		
Oct. 05	Ozone investigation		
Oct. 06	Oil spill investigation		
Oct. 09	Chemistry of life		
Oct. 10	Enzymes		
Oct. 11	ATP		
Oct. 12	macromolecules		
Oct. 13			
Oct. 16	The Cell	Tetrahyme	The Cell Brochure

Oct. 17	Cell membrane and active & passive transport	na lab	
Oct. 18	Early release	Diffusion lab	
Oct. 19	Vacation Day		
Oct. 20	Vacation Day		
Oct. 23	Soap making investigation		Soap lab
Oct. 24	Osmosis/diffusion tonicity	Diffusion lab (dialysis)	
Oct. 25			
Oct. 26			
Oct. 27			
Oct. 30	Photosynthesis	Pigment chromato graphy lab	Photosynthesis test
Oct. 31			
Nov. 01			
Nov. 02			
Nov. 03	Marking Period Closes		
Nov. 06	Cell Respiration	Fermenta tion lab	Cell Respiration Test
Nov. 07			
Nov. 08			
Nov. 09	EARLY RELEASE		
Nov. 10	Inservice		
Nov. 13	Cell Reproduction	Mitosis lab	Mitosis/meiosis posters & verbal assessments
Nov. 14			
Nov. 15	Embryology	Sea urchin Frog embryos	
Nov. 16			
Nov. 17			
Nov. 20		Embryolo gy lab	
Nov. 21			
Thanksgiving Break! Enjoy!			

Nov. 27	DNA, Extraction, Restriction enzyme analysis	Dye NAMics lab Restriction enzyme lab	
Nov. 28			
Nov. 29			
Dec. 30			
Dec. 01	PROGRESS REPORT		
Dec. 04	DNA,Transformation, GMO, Human DNA extraction	Transformation Lab GMO lab Human DNA Lab	DNA test
Dec. 05			
Dec. 06			
Dec. 07			
Dec. 08	Early Release		
Dec. 11	DNA/Genetics Punnet squares, pedigrees, genetic diseases (family)		
Dec. 12			
Dec. 13			
Dec. 14			
Dec. 15			
Dec. 18	Genetics		Genetics Test
Dec. 19			
Dec. 20			
Dec. 21			
Dec. 22	Body Systems blood typing		
Dec. 25- Jan. 01	Christmas Break! Enjoy!		
Jan. 02	Body Systems	Stimulus & response lab	
Jan. 03	Blood pressure, urinalysis, lung capacity		
Jan. 04	Antibiotic experiment		
Jan. 05	Digestion & enzymes		
Jan. 08	Body Systems	Detecting West Nile virus lab	
Jan. 09			
Jan. 10			
Jan. 11			
Jan. 12			
Jan. 15	VACATION DAY!		
Jan. 16	ER Simulation - Final		
Jan. 17	ER Simulation - Final		
Jan. 18	ER Simulation - Final		
Jan. 19	Finals Marking Period Grades Close		

AP LAB CONDUCTED BEFORE SCHOOL STARTS = DISSOLVED OXYGEN AND AQUATIC PRIMARY PRODUCTIVITY(#12).

AP LABS CONDUCTED SECOND HALF = TRANSPIRATION (#9), PHYSIOLOGY OF THE CIRCULATORY SYSTEM(#10), AND ANIMAL BEHAVIOR(#11).

EXTRA LABS - GMO, ELISA IMMUNE SYSTEM, SIZE CHROMATOGRAPHY – AFTER AP EXAM, PLANT CLONING, YEAST EXPERIMENTS