



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE WEEKLY PLANS



Semester 2 ø1-12

Department: Science

Course: AP Biology

Instructor(s): Mr. Knoepke
Mrs. Smith

*The Homewood-Flossmoor High School Course Weekly Plans provides parents and students with a semester-long overview of each class that we offer. **An instructor may alter a course’s weekly plans as needed.** Students are responsible for keeping track of due dates and other pertinent course information in their H-F Student Planners. Parents, please contact your child’s teacher by telephone or e-mail to clarify any questions you may have about the weekly plans of a particular course.*

WEEK	INSTRUCTIONAL CONTENT	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #1 1/20 ó 1/23 No school: 1/20	-Interspecific DNA Comparison -Epigenetics -Restriction Enzyme Map -Evidence for Evolution powerpoint	-RFLP Lab -Fossil Activity -HW Read Chapter 4		
WEEK #2 1/26 ó 1/30	-Evolution Powerpoint -Video: Extinction -Movie: Great Transformations -Finish Hardy-Weinberg -Speciation Concepts	-Hardy-Weinberg Lab -HW Read Chapter 25 - HW Hardy-Weinberg practice problems -HW Read Chapter 26 -Scientific American article about the trouble with öSpeciesö	-Chapter 23-24 Quiz	
WEEK #3 2/2 ó 2/6	-Tree of Life intro -Diversity and sexual reproduction -Movie: Why Sex? -Go over multiple choice test	-HW Read Chapter 27	-Chapter 26 Quiz -Unit 7 multiple choice and essay test -Peer Grade essay test	



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WEEK #4 2/9 - 2/13	-Finish Prokaryotes and begin Eukaryotes -Major body plans	-Cladogram activity and present to class -Phylogeny Activity -HW Read Chapter 28 -HW Read Chapter 40		
WEEK #5 2/16 ó 2/20 No School: 2/16	-Jar Classification -Finish Jar Classification -Nutrient Cycling	-HW Read Chapters 32-34 -Review Game: òWhat Am Iò	-Quiz Chapters 32-34	
WEEK #6 2/23 ó 2/27	-Go over multiple choice test -Begin Ecology	-Review Game -Peer Grade Essay -HW Read Chapter 50	-Multiple Choice and Essay test	
WEEK #7 3/2 ó 3/6 No School: 3/3 & 3/6	-Population and Community Ecology	-HW Read Chapters 52-53 -Competition Activity		
WEEK #8 3/9 - 3/13	-Conservation Intro -Population Growth Models -Movie: Vaccination and Population Density -Madagascar Lecture	-HW Read Chapters 54-55 -Online Biodiversity Hot Spot Activity -Online Human Population Growth Activity -Finish On-line activities -HW Read Chapter 51		
WEEK #9 3/16 ó 3/20	-Begin Animal Behavior -Review for Test -Go over multiple choice exam	-HW Pre-lab for AP lab 11 -AP Biology Lab #11 -Peer Grade Essay -HW Unit 10 Plants (Chapters 35,36,37,38,39)	-Multiple Choice and Essay Test	



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WEEK #10 3/23 ó 3/27 End of 3 rd Quarter	-Begin Body Systems -Chapter 41: Digestion and Nutrition -Finish Digestion -Immunology Presentation	-HW Read Chapters 41-42 -HW AP Lab #10 pre-lab -HW Review Unit 1 -AP Lab #10 -HW Read Chapters 44-46	Unit 1 Quiz	
WEEK #11 4/6 ó 4/10 No School: 4/10	-Continue Immunology -Review Unit 2 -Muscular and Skeletal System -Endocrine System	-HW Read Chapter 45 -Chicken Wing dissection -HW Read Chapter 46		
WEEK #12 4/13 ó 4/17	-Begin Reproductive System -Animal Development -Discuss Nervous System -Finish Nervous System	-HW Read Chapter 47 -HW Review Unit 3 -Set up Sea Urchin Lab -HW Read Chapter 48 -Look At Sea Urchins	-Unit 2 Quiz -Unit 3 Quiz	
WEEK #13 4/20 ó 4/24 PSAE/ECRA testing 4/23 & 4/24	-Review for Body Systems Test	-HW Review Unit 4	-Multiple Choice Test in Class -Essay Exam in class	
WEEK #14 4/17 ó 5/1	-Review Unit 5	-Gene Sequencing Activity -Unit 5 Review Game: Eukaryote v. Prokaryote genomic regulation	-Unit 4 Quiz -Peer Grade Essay Exam -Unit 5 Quiz	
WEEK #15 5/4 ó 5/8	-Review Unit 6 and 7 -Go over Final Exam	-Pre-lab for AP Lab #12 -AP Lab #12: Dissolved Oxygen and Primary Productivity	-AP Biology course Final Exam (Cumulative)	
WEEK #16 5/11 ó 5/15		-Animal Dissection -Animal Dissection continued	-Official AP Biology Exam	



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		-Field Trip?		
WEEK #17 5/18 ó 5/22	-Discuss Protein Modeling -Explore Protein Modeling software -Assign Protein Modeling Project			
WEEK #18 5/25 ó 5/29 No School: 5/25 SeniorsøLast Day: 5/29		-Work on Protein Modeling Project -Present Protein Modeling Projects		
WEEK #19 6/1 ó 6/5 Final Exams 6/3 ó 6/4				