



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



Semester 2 Department: Science Course: Honors Biology Instructor(s): Kozik, Piper, Slusinski, Smith, Stiglic

*The Homewood-Flossmoor High School Course Scope & Sequence provides parents and students with a semester-long overview of each class that we offer. **An instructor may alter a course's scope & sequence 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 scope & sequence of a particular course.*

WEEK	STANDARDS	INSTRUCTIONAL CONTENT	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #1 1/9 ó 1/13 PLC 1/13	S.I.b.2 S.I.b.3	Mendelian Genetics	Dihybrid Crosses	Dihybrid Crosses (Punnett Squares) practice	Reading Strategies- Connecting, Questioning, Predicting, Note Taking, Inferring
WEEK #2 1/16 ó 1/20 No school 1/16	S.I.b.2 S.I.b.3	Genetics	Types of Dominance Blood types and Codominance	Punnett Squares	Reading Strategies- Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #3 1/23 ó 1/27 PLC 1/27	S.I.b.2 S.I.b.3	Genetics	Sex Linkage	Punnett Squares Baby Lab	Reading Strategies- Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #4 1/30 -2/3	S.I.b.2 S.I.b.3	Genetics	Pedigrees	Pedigree Project Unit Exam	Reading Strategies- Connecting, Questioning,



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					Predicting, Note Taking, Inferring, Imaging
WEEK #5 2/6 ó 2/10 PLC 2/10	S.I.b.2 S.I.b.3	DNA Technology	DNA Technology Genetically Modified Organisms Ethics Gene Therapy	Restriction Enzyme Activities	Reading Strategies-Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #6 2/13 ó 2/17	S.I.b.2 S.I.b.3	DNA Technology	DNA Profiling Electrophoresis Forensics Human Genome Evolutionary Divergence	Gel Electrophoresis Lab Unit Exam	Reading Strategies-Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #7 2/20 ó 2/24 No school 2/20 PLC 2/24	S.I.b.2 S.I.b.3	Evolution	Geologic Time Origin Fossil Record	Geologic Time Scale Lab Fossil Lab	Reading Strategies-Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #8 2/27 ó 3/2	S.I.b.2 S.I.b.3	Evolution	Darwin Natural Selection Natural Selection in Action Fossil Evidence Comparative Anatomy	Adaptation Activities Natural Selection On-Line Activity	Reading Strategies-Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #9 3/5 ó 3/9 No school	S.I.b.2 S.I.b.3	Evolution	Evolutionary Tree Populations Genetic Variation	Invent an Animal Unit Exam	Reading Strategies-Connecting, Questioning,



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3/5			Genetic Drift		Predicting, Note Taking, Inferring, Imaging
WEEK #10 3/12 ó 3/16 PLC 3/16	S.I.b.2 S.I.b.3	Ecology	Biosphere Physical & Chemical Factors Adaptations Aquatic Biomes Terrestrial Biomes	Bio-Pond Activity Adaptation Activity	Reading Strategies-Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #11 3/19 ó 3/23	S.I.b.2 S.I.b.3	Ecology	Types of Biomes Communities Interactions Competition Mutualism	Biome Activity	Reading Strategies-Connecting, Questioning, Predicting, Note Taking, Inferring, Imaging
WEEK #12 4/2 ó 4/6 No school 4/6	S.I.b.2 S.I.b.3	Ecology	Predation Parasites Trophic Level Food Chains & Webs Biomass	Food Chain Activity Unit Exam	
WEEK #13 4/9 ó 4/13 PLC 4/13	S.I.b.2 S.I.b.3	Systems - Digestion	Overview Structures Accessories Oral Cavity	Dissection Lab	
WEEK #14 4/16 ó 4/20	S.I.b.2 S.I.b.3	Systems - Digestion	Peristalsis Stomach Ulcers	Dissection Lab	
WEEK #15 4/23 ó 4/27	S.I.b.2 S.I.b.3	Systems - Digestion	Small Intestine Liver	Dissection Lab	



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			Large Intestine		
WEEK #16 4/30 5/4 PLC 5/4	S.I.b.2 S.I.b.3	Systems - Respiratory	Overview of Gas Exchange Comparative Human Respiratory System Breathing Gas Exchange	Dissection Lab Respiratory Lab	
WEEK #17 5/7 6 5/11	S.I.b.2 S.I.b.3	Systems - Circulatory	Open vs. Closed Circulatory Systems System Functioning	Heart Video Dissection Lab	
WEEK #18 5/14 6 5/18 PLC 5/18	S.I.b.2 S.I.b.3	Systems - Circulatory	Heart Blood	Dissection Lab	
WEEK #19 5/21 6 5/25 Last day for seniors 5/24					
WEEK #19 5/21 6 5/25 Last day for seniors 5/24					



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WEEK #20 5/28 ó 6/1 5/28 No Class 6/1 Marking Day					
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