



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE

Semester 1, ø1- ñ12 Department: Science Course: CP ZooBot Instructor(s): C Stiglic
 This course is aligned to: **College Readiness Standards and/or College Board Standards**

*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	College Readiness Standards	INSTRUCTIONAL CONTENT	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #1 8/17 – 8/19	S.I.a. S.II.c.	-Go over course materials: Description, class procedures and policies - Animal Policies	-Animal care article - Chapter 1, Science of Zoology in Zoology text	-signed safety contract -signed animal contract -Science of Zoology review questions 1-13 -2 Truths : 1 Lie Intro	
WEEK #2 8/22 – 8/26	S.I.a. S.II.c.	-Zoology and Botany Basic Terminology Notes	-Newspaper articles related to local environmental issues	-Outdoor activity -Tree ID	Bio-Pond
WEEK #3 8/29 – 9/2 9/2 PLC	S.I.a. S.II.c.	-Wildlife Terminology -Terminology Notes	-Read Chapter 1 - What is Plant Biology in Plant Biology Text	-Is Your Campus Wildlife Friendly activity -Tree ID	Bio-Pond
WEEK #4 9/5 – 9/9 9/5 no	S.I.a. S.II.c.	-Flower Notes -Terminology Notes	-Bio-pond flower activity	-Activity ó Flower Identification -What is Plant Biology	Bio-Pond



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school				2-column notes	
WEEK #5	S.I.a. S.II.c. S.III.c.	-Understanding Bird Behavior Notes -Understanding Bird Training Notes	-Parrot Training Video -Feathers of Flight video -Inspiration Assignment ó Household Hazards for Birds in T3	-Bird Inspiration Assignment - What is Plant Biology review questions 1-6	Journal Work
WEEK #6 9/12 – 9/16	S.I.a. S.II.c.	-Dichotomous Keys -Tree Identification notes	-Activity - Fish dichotomous key -Activity ó Leaf dichotomous key -Discussion of Plant related newspaper articles -Terminology Review Packet	- Leaf Project -Terminology Test	Journal Work
WEEK #7 9/19 – 9/23 9/23 PLC	S.I.a. S.III.c.	-Organic Evolution Notes -Adaptation Notes	-Adaptation Activity in T3 -Adaptation Video - Ch 6, Organic Evolution in Zoology Text	-Final adaptation poster -Life of mammals Video notes - Organic Evolution review questions 1-10	Collect Journal Work
WEEK #8 9/26 – 9/30	S.I.a. S.III.c.	-Classification Notes -Maintenance I Notes	-Read Chapter 4 in Noah's Garden reading analysis -Newspaper articles related to local animal issues -Chapter 10, Classification in Zoology Text	-Life of Mammals Video notes -Animal Classification Project	Journal Work



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WEEK #9 10/3 – 10/7 10/7 PLC	S.I.a. S.II.c.	-Maintenance I Notes -Leaf Notes	-Read Chapter 5 in Noah's Garden reading analysis -Chapter 7, Leaves in the Plant Biology Text	-Classification - Zoology Review 1-6 -Morton Arboretum Lab Packet	Journal Work Arboretum Field Trip
WEEK #10 10/10 – 10/14 10/10 no school	S.I.a. S.II.c.	-Finish Maintenance I Notes	-Maintenance I Activity -Maintenance 1 Review Packet	-Leaves review questions 1-8 -Maintenance I Test	Collect Journal Work



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2nd Quarter					
WEEK #11 10/17 – 10/21 End of first quarter	S.I.a. S.II.c.	-Maintenance II Notes	-Read Chapter 6 in Noah's Garden reading analysis	-TOL-Homemaking Notes Blue Planet Open Oceans Notes	Journal Work
WEEK #12 10/24 – 10/28 10/28 PLC	S.I.a. S.III.c.	-Maintenance II Notes -Bird Notes	-Form and Function Activity -Read Ch 6, Stems in Plant Biology Text	-LOM ó Insect Hunters Notes -Stems Review Questions 1-10	Journal Work
WEEK #13 10/31 – 11/4 11/4 No school	S.I.a. S.II.c.	-Maintenance II Notes -Habitat Behaviors	-Read Chapter 7 in Noah's Garden reading analysis -Habitat Adaptation Lab	-Habitat Adaptation Poster	Journal Work
WEEK #14 11/14 – 11/18 PLC 11/18	S.I.a. S.III.c.	-Finish Maintenance II Notes -Animal Behavior Notes	-Read Chapter 8 in Noah's Garden reading analysis -Read Ch 36, Animal Behavior in the Zoology Text -Maintenance II Study Guide	-Animal Behavior Review Questions 1- 16 -Maintenance II Test	Collect Journal Work
WEEK #15 11/21 – 11/15	S.I.a. S.II.c.	-Maintenance III Notes -Animal Awareness Notes	-Animal Awareness work in T-Lab	-Black Market Birds video notes -Dog Fighting Video	Journal Work



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No school 11/24 and 11/25				Notes	
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WEEK #16 11/28 – 12/2	S.I.a. S.III.c.	-Maintenance III Notes	-Read Chapter 9 in Noah's Garden reading analysis -Animal Awareness work in T-Lab	-War Dogs Video Notes -Puppy Mills video notes	Journal Work
WEEK #17 12/5 – 12-9 PLC 12/9	S.I.a. S.III.c.	-Maintenance III Notes -Plant Propagation	-Read Ch 14, Plant Propagation in Plant Biology Text	-Animal Awareness Project -LOM Chisellers -Plant Propagation Review Questions 1-6	Journal Work
WEEK #18 12/12 – 12/16	S.I.a. S.III.c.	Maintenance III Notes	-Read Chapter 10 in Noah's Garden reading analysis -Maintenance III Study Guide	-Maintenance III Test	Journal Work
WEEK #19 1 /4 – 1/6	S.I.a. S.III.c.	-Understanding Greenhouses	Read Ch 11, Growth in Plant Biology Text	Growth Review Questions 1-10	Collect Journal Work
WEEK #20 Finals 1/9 – 1/13 No school 1/12, 1/13		Semester Review		-Final Exams -Semester Review Packet	



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Semester 2

Department: Science

Course: CP ZooBot

Instructor(s): C Stiglic

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WEEK #1 1/16 – 1/20 1/16 No school	S.I.a. S.III.c.	Interspecific I notes <ul style="list-style-type: none"> • Optimal Feeding Theory • GUT • Foraging 	<ul style="list-style-type: none"> • Wings of the Serengeti • Snake Adaptations • Snakes of Illinois 	<ul style="list-style-type: none"> • Video notes 	<ul style="list-style-type: none"> • notes
WEEK #2 1/23 – 1/27 PLC 1/27	S.I.a. S.III.c.	Interspecific I notes <ul style="list-style-type: none"> • How Predation Began • Hunting in Groups • Choice of Prey • Electrostatic Forces 	<ul style="list-style-type: none"> • Reptile Adaptations • Gorillas of the Mist • Zoo Exhibit PPT 	<ul style="list-style-type: none"> • Interspecific Quiz 	<ul style="list-style-type: none"> • notes
WEEK #3	S.I.a.	Interspecific I notes	<ul style="list-style-type: none"> • Bird Adaptation 	<ul style="list-style-type: none"> • Bird Activity 	<ul style="list-style-type: none"> • Zoo Exhibit



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1/30 – 2/3	S.III.c.	<ul style="list-style-type: none"> Hunting and Capture Intro Tool use Zoo Exhibit Design	Activity <ul style="list-style-type: none"> Zoo Exhibit Design Smithsonian Zoo 	<ul style="list-style-type: none"> Video notes Interspecific I Study Guide 	Plan <ul style="list-style-type: none"> Notes Field Museum Field Trip
WEEK #4 2/6 – 2/10 PLC 2/10	S.I.a. S.III.c.	Interspecific I Notes <ul style="list-style-type: none"> Predator Killing Antipredator Defenses Zoo Exhibit Design	<ul style="list-style-type: none"> Animal Behavior Readings Zoo Exhibit Design San Diego Zoo 	<ul style="list-style-type: none"> Interspecific I Test Video notes 	<ul style="list-style-type: none"> Zoo Exhibit Design notes
WEEK #5 2/13 – 2/17	S.I.a. S.III.c.	Zoo Exhibit Design	<ul style="list-style-type: none"> Zoo Exhibit Materials Zoo Paper Zoo Blue Print 	<ul style="list-style-type: none"> Zoo Exhibit Presentation 	<ul style="list-style-type: none"> Notes Journal Work ó Zooø
WEEK #6 2/20 -2/24 2/20 no school PLC 2/24	S.I.a. S.III.c.	Green House work <ul style="list-style-type: none"> Plantings Growth Horticulture Info Understanding Red Worms	<ul style="list-style-type: none"> Plant Propagation Use of fertilizer Plant Video 	<ul style="list-style-type: none"> Plant Quiz 	<ul style="list-style-type: none"> Plant growth journal Journal Work ó Zooø
WEEK #7 2/27 – 3/2	S.I.a. S.III.c.	Interspecific II Notes <ul style="list-style-type: none"> Non-trophic Interactions Interspecific Interactions - detail 	<ul style="list-style-type: none"> Common Relationships Activity Green House work TOL - Hunting 	<ul style="list-style-type: none"> Relationship Comic Strip 	<ul style="list-style-type: none"> Plant growth journal
WEEK #8 3/5 – 3/9 3/5 No school	S.I.a. S.III.c.	Interspecific II Notes <ul style="list-style-type: none"> Predator-Prey Relationships Commensalism 	<ul style="list-style-type: none"> Super Predators Video TOL ó Fighting Predator Adaptation 	<ul style="list-style-type: none"> Notes Super Predator Write-up 	<ul style="list-style-type: none"> Plant growth journal



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			Activity <ul style="list-style-type: none">• Green House Work		
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WEEK #9 3/12 – 3/16 PLC 3/16	S.I.a. S.III.c.	Interspecific II Notes <ul style="list-style-type: none">• Mutualism• Parasitism• Co-Evolution	<ul style="list-style-type: none">• RAFT ó Super Predator Boot Camp	<ul style="list-style-type: none">• RAFT work• Interspecific II Study Guide	<ul style="list-style-type: none">• Plant growth journal
WEEK #10 3/19 – 3/23 End of 3rd Quarter	S.I.a. S.III.c.	Interspecific II Notes	<ul style="list-style-type: none">• Interspecific review• Green House Work	<ul style="list-style-type: none">• Interspecific II Test• Journal Work	<ul style="list-style-type: none">• Plant growth journal



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4th Quarter					
WEEK #11 4/2 – 4/6 4/6 No school	S.I.a. S.III.c.	Biome Notes Reproduction I Intro	<ul style="list-style-type: none"> • Land Biome Project • Green House Work 	<ul style="list-style-type: none"> • Biome PPT 	<ul style="list-style-type: none"> • Journal - Biomes
WEEK #12 4/9 – 4/13 PLC 4/13	S.I.a. S.III.c.	Reproduction I Notes <ul style="list-style-type: none"> • Isogamy vs Anisogamy • Sexual Selection 	<ul style="list-style-type: none"> • Aquatic Biome Project • Green House Work 	<ul style="list-style-type: none"> • Biome Brochure 	<ul style="list-style-type: none"> • T - Building
WEEK #13 4/16 – 4/20	S.I.a. S.III.c.	Reproduction I Notes <ul style="list-style-type: none"> • Estrus vs Menstrual cycles • Courtship Behaviors 	<ul style="list-style-type: none"> • Understanding Courtship Behavior Activity • TOL - Courtship 	<ul style="list-style-type: none"> • Courtship Write-up 	<ul style="list-style-type: none"> • Journal - Plants
WEEK #14 4/23 – 4/27	S.I.a. S.III.c.	Reproduction I Notes <ul style="list-style-type: none"> • Copulation • Sexual Maturity • Sexual Selection • Who's the Daddy 	<ul style="list-style-type: none"> • RAFT ó Reproduction • TOL - Mating 	<ul style="list-style-type: none"> • RAFT Work • Zoo Exhibit Design Write-Up 	<ul style="list-style-type: none"> • Zoo Field Trip
WEEK #15 4/30 -5/4 PLC 5/4	S.I.a. S.III.c.	Reproduction I Notes <ul style="list-style-type: none"> • Intersexual Selection • Executive 	<ul style="list-style-type: none"> • Reproduction Project - PPT 	<ul style="list-style-type: none"> • Reproduction PPT Project 	<ul style="list-style-type: none"> • T - Building



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		Syndrome <ul style="list-style-type: none"> Sperm Transfer Mechanisms 			
WEEK #16 5/7 – 5/11	S.I.a. S.III.c.	Reproduction I Notes <ul style="list-style-type: none"> Parental Investment Development 	<ul style="list-style-type: none"> Reproduction Packet 	<ul style="list-style-type: none"> Reproduction Test Reproduction Packet 	
WEEK #17 5/14 – 5/18 PLC 5/18	S.I.a. S.III.c.	Landscape Design Pesticides, herbicides, fertilizers Annuals vs Perennials	Soil Lab Prairie Species Plantings	Soil Lab Write-Up	
WEEK #18 5/21 – 5/25 Last day for seniors 5/24	S.I.a. S.III.c.	Landscape Design Zones Coloration Flower Types and Requirements	Landscape Design Project	Landscape Project Journal work	
WEEK #19 5/28 – 6/1 No school 5/28 Final Exams					



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