

Biology Syllabus, 2007 – 2008

FYI-The sequence of the topics and the specific lab may change.

Fall Semester

Week	Date	Text Topic to be covered	Lab Topic
1	Sept. 10	Intro to Biology; Cell Structures Pages iii-xi and pages 580-584	Intro. to lab safety and basic microscope techniques
2	Sept. 17	Chapter 22 Cytology	Lab #2 Microscopes
3	Sept. 24	Chapter 1 The Flowering Plants	Cell lab comparing plant & animal cells
4	Oct. 1	Chapter 2 Structure and Function of Leaves	Chromatography of leaf pigments
5	Oct. 8	Chapter 3 Flowers, Fruits and Seeds	Lead identification & Seed identification TEST #1 (50 pts.)
6	Oct. 15	Chapter 4 Stems and Roots	Osmosis & diffusion lab Leaf Collection project DUE
7	Oct. 22	Chapter 5 Variety in the World of Plants	A look at confers, ferns, fungi and algae TEST #2 (55 pts.)
8	Oct. 29	Chapter 6 Fearfully and Wonderfully Made	A microscopic look at human tissues
9	Nov. 5	Chapter 22 Mitosis & Meiosis	Mitosis & Meiosis models Egg-speriment DUE
10	Nov. 12	Chapter 23 Heredity	Genetics problems TEST #3 (45 pts. *excluding ch. 7 ?'s)
11	Nov. 26	Chapter 24 DNA, The Regulation of Life	DNA model, protein synthesis
12	Dec. 3	Chapter 7 Bones & Muscles	Lab #9 Bones & Muscles
13	Dec. 10	Chapter 8 The Nervous System	Eye & Brain dissections TEST #3 (25 pts. *ch.7 quiz)
14	Dec. 17	Chapter 9 Nutrition & Digestion	Macromolecule activity
15	Jan. 7	Chapter 10 Circulation	Heart dissection TEST #4 (65 pts.)

Spring Semester

Week	Date	Text Topic to be covered	Lab Topic
16	Jan. 14	Chapter 10 (continued) Respiration	Lung capacity activity
17	Jan. 21	Chapter 11 Integumentary, Excretory systems	TEST #5 (55 pts.)
18	Jan. 28	Finish Chapter 11 Endocrine system	
19	Feb. 4	Chapter 12 Disease & the Body's Immune System	Bacteriology techniques TEST # 6 Semester Exam (75 pts.)
20	Feb. 11	Chapter 13 Natural History & Scientific Investigation	Designing an experiments, scientific method, writing a scientific paper
21	Feb. 25	Chapter 14 Evolution: a Retreat from Science	Group discussion/debate TEST # 7 (60 pts.)
22	Mar. 3	Chapter 15 Why I Accept the Genesis Record	Starfish dissection
23	Mar. 10	Chapter 16 Mammals	Mouse/rat dissection
24	Mar. 17	Chapter 17 Birds	Owl pellet dissection TEST #8 (65 pts.)
25	Mar. 31	Chapter 18 Reptiles & Amphibians	Frog dissection
26	Apr. 7	Chapter 19 Fish	Perch dissection TEST #9 (80 pts.)
27	Apr. 14	Chapter 20 Arthropods	Crayfish dissection
28	Apr. 21	Chapter 20 (continued) Arthropods	Grasshopper dissection TEST #10 (55 pts.)
29	Apr. 28	Chapter 21 Variety in the World of Invertebrates	Clam & Earthworm dissections TEST #11 (55 pts.)
30	May 5	Dissection of pig	FINAL EXAM DUE (100 pts.)