

**KAP Biology**  
**Instructor: Ms. Nord**  
**Independence High School**  
**2016-2017 Course Syllabus**

**UNIT 1**

Day	Topic	Reading and Work (to be read by the day it is covered in class)
1	Introduction <b>Go over summer assignment:</b>	<b>Do:</b> Set up plant seeds Cabbage white collection data <b>Review:</b> The Pillars of Life Chp 1 through 1.4
2	Isopods	<b>Do:</b> Make isopod environment and discuss project
3	What is life?	Biology and Tree of Life pwrpt <b>Do:</b> Bioskills 3 (found in back of book)
4	Phylogenetic Tree	<b>Do:</b> Cladogram activity
5	Prokaryotic Cell Structure Classification	<b>Read:</b> Chp 7.1 Chp 28 (pp. 496-497 including Table 28.1) Pg 280 "Dissecting the Central Dogma" <b>Do:</b> Prokaryote W.S.
6	Poster creations	Discuss posters for Yorktown and content
7	Atoms and basic chemistry review	<b>Read:</b> Chp 2 (sec. 2.1, 2.2, 2.4) Chemistry Basics pwrpt slides 1-11 <b>HW:</b> Bioskills 6
8	Water, acids and bases, pH	Chemistry Basics pwrpt slides 12-30 <b>Do:</b> Acid and Base lab from PowerPoint
9	Water	<b>Do:</b> Drop in Bucket Lab
10	Functional Groups	Functional Group pwrpt <b>HW:</b> Functional Group Flashcards
11	Free Energy	<b>Read:</b> Chp 2 (sec. 3) <b>Do:</b> Energy Lab (Gibbs free-energy)
12	Origin of Life, amino acids  <i>Quiz #1- take home</i> <i>Due: Wednesday</i>	<b>Read:</b> Chp 3 pp. 38-45, 51 (enzymes: an introduction to catalysis)-56 <b>Read:</b> Grey hair article (abstract and results) How does this relate to our unit of study in Chapter 3? <b>Due: Monday</b> Protein pwrpt (slides 1-16) <b>Do:</b> wire protein model as a class
13	Proteins	<b>Do:</b> Go through catalase lab set up on LabBench site; set up equipment
14	Enzymes	<b>Do:</b> Complete catalase lab
15	Enzymes continued	Protein pwrpt (slides 15-38)
16	Nucleic Acids	<b>Read:</b> Chp 4 Nucleic Acid pwrpt <b>HW:</b> Work through website: <a href="http://www.dnafb.org/15/animation.html">http://www.dnafb.org/15/animation.html</a> <b>Do:</b> Extracting student DNA
17	Membranes	<b>Read:</b> Chp 6 through p. 93

		<b>Do:</b> Bubble Membrane Lab and Milk Lab
18	Diffusion and Osmosis	<b>Do:</b> Set up Egg and Corn Starch labs; Complete Cell Size Lab
19	Diffusion and Osmosis	<b>Do:</b> Diffusion (tea) and Osmosis (sucrose) Lab
20	Water Potential and Osmosis	<b>Do:</b> Set up Water Potential Lab Complete Onion Plasmolysis Lab
21	Eukaryotic Cell	<b>Read:</b> Chp 7.2 – 7.3; Chp 29 pp. 526-533 <b>Do:</b> Endosymbiosis bag activity <b>HW:</b> Cell Coloring
22	Cell Cytoskeleton	<b>Read:</b> Chp 7.6 <b>Do:</b> Watch as class begins: <a href="https://www.youtube.com/watch?v=5rqbmLiSkpk">https://www.youtube.com/watch?v=5rqbmLiSkpk</a> Work through website in class: <a href="http://www.wiley.com/college/pratt/0471393878/stunations/actin_myosin/actin_myosin.swf">http://www.wiley.com/college/pratt/0471393878/stunations/actin_myosin/actin_myosin.swf</a>
23	Completion Day	<b>Do:</b> Complete any undone work or labs Begin preparing “cheat sheet”
24	<b>Exam Unit 1</b>	<b>Bring:</b> 1-sided notebook paper “cheat sheet”

## UNIT 2

Day	Topic	Reading and Work (to be read by the day it is covered in class)
1	Cell respiration overview; Carbohydrates; ATP; Redox	<b>Read:</b> Chp 5 Chp 9 (pp. 148-154 = start through section 9.2) <a href="https://education-portal.com/academy/lesson/cellular-respiration-energy-transfer-in-cells.html#lesson">https://education-portal.com/academy/lesson/cellular-respiration-energy-transfer-in-cells.html#lesson</a> <b>Do:</b> Carbohydrate PowerPoint
2	ATP; Redox	<b>Do:</b> ATP models <a href="https://www.youtube.com/watch?v=3y1dO4nNaKY">https://www.youtube.com/watch?v=3y1dO4nNaKY</a> Redox demonstration / team <a href="https://education-portal.com/academy/lesson/redox-oxidation-reductoin-reactions-and-electron-carriers.html#lesson">https://education-portal.com/academy/lesson/redox-oxidation-reductoin-reactions-and-electron-carriers.html#lesson</a> <a href="http://www.calgaryacademy.com/ICT/rr/redox4.html">http://www.calgaryacademy.com/ICT/rr/redox4.html</a>
3	Redox Problems <b>Quiz #2</b> <b>Due: 2 days</b>	<a href="http://www.occc.edu/kmbailey/chem1115tutorials/oxidation_numbers.htm">http://www.occc.edu/kmbailey/chem1115tutorials/oxidation_numbers.htm</a> (as a class) <b>Do:</b> Redox problems <b>HW:</b> Any left over problems
4	Metabolic pathways; Enzymes; Protein folding	<b>Read:</b> Chp 3 (sections 3.4 and 3.5) Review pH pg. 25-26 <b>Do:</b> Enzyme Catalysis Lab <b>HW:</b> BioSkills 7 (using logarithms)
5	Enzymes	<b>Do:</b> Finish Enzyme Catalysis Lab
6	Protein folding	<b>Do:</b> Protein folding with toobers
7	Glycolysis	<b>Read:</b> Chp 9 (sections 9.3, 9.7) <a href="https://education-">https://education-</a>

		<a href="http://portal.com/academy/lesson/anaerobic-respiration-glycolysis.html#lesson">portal.com/academy/lesson/anaerobic-respiration-glycolysis.html#lesson</a> Overview: <a href="http://highered.mheducation.com/sites/0072507470/student_view0/chapter25/animation_how_glycolysis_works.html">http://highered.mheducation.com/sites/0072507470/student_view0/chapter25/animation_how_glycolysis_works.html</a> In detail: <a href="http://vcell.ndsu.nodak.edu/animations/glycolysis_reactions/index.htm">http://vcell.ndsu.nodak.edu/animations/glycolysis_reactions/index.htm</a> HW: Finish worksheet if not completed in class
8	Fermentation Citric Acid Cycle	Read: Chp 9 (sections 9.4, 9.5, 9.7) <a href="https://education-portal.com/academy/lesson/aerobic-respiration-i-the-citric-acid-kreb-cycle.html#lesson">https://education-portal.com/academy/lesson/aerobic-respiration-i-the-citric-acid-kreb-cycle.html#lesson</a>
9	Oxidative phosphorylation Quiz #3 Due: tomorrow	<a href="https://education-portal.com/academy/lesson/aerobic-respiration-ii-the-electron-transport-chain.html#lesson">https://education-portal.com/academy/lesson/aerobic-respiration-ii-the-electron-transport-chain.html#lesson</a>
10	Respiration in action	Do: Yeast and Sucrose Concentration Lab
11	Respiration Recap	Do: Cellular Respiration PowerPoint <a href="https://www.youtube.com/watch?v=xbJ0nbzt5Kw">https://www.youtube.com/watch?v=xbJ0nbzt5Kw</a>
12	Respiration vs Photosynthesis	Do: Respiration vs Photosynthesis Lab
13	Photosynthesis overview	Read: Chp 10 (pages 172-174) Do: Photosynthesis Overview WS as a class
14	Light reactions	Read: Chp 10 (sections 10.2, 10.3) Do: Go to computer lab and work through site, taking notes and answering quiz questions <a href="http://www.wiley.com/college/boyer/0470003790/animations/photosynthesis/photosynthesis.htm">http://www.wiley.com/college/boyer/0470003790/animations/photosynthesis/photosynthesis.htm</a>
15	Calvin Cycle C3 and C4 plants	Read: Chp 10 (section 10.4 to end) <a href="http://www.cengage.com/biology/discipline_content/animations/carbon_fixing.html">http://www.cengage.com/biology/discipline_content/animations/carbon_fixing.html</a> Do: Complete worksheet along with website
16	Photosynthesis Wrap-up	Do: Photosynthesis PowerPoint
17	Plant nutrition Nitrogen fixation	Read: Chapter 38 Do: Bring in plants you have been growing and discuss nutritional steps you have taken
18	Biogeochemical Cycles Summary of Metabolism	Read: Chp 54 (section 54.2 focusing on N cycle) Chp 9 (section 9.8) Global change (pages 509-512) Do: Go to computer lab and begin creating a group PowerPoint presentation. Be sure to include the roll of nitrogen fixation, nitrogen cycle, biogeochemical cycles, and the importance to metabolism within the cell.
19	Wrap-up of Cycles and	Do: Complete your presentations

	Metabolism	
20	Cycles and Metabolism	<b>Do:</b> Present your PowerPoint presentations
21	<b>Exam Unit 2</b>	<b>Bring:</b> 1-sided notebook paper "cheat sheet"

### UNIT 3

Day	Topic	Reading and Work (to be read by the day it is covered in class)
1	Multicellularity; Adjacent cell signaling overview	<b>Read:</b> Chp 8 (sections 8.2-8.3) <b>Do:</b> Cell to Cell Interactions PowerPoint <b>HW:</b> Work your way through the quizzes on website: <a href="http://www.biology.arizona.edu/cell_bio/problem_sets/signaling/Index.html">http://www.biology.arizona.edu/cell_bio/problem_sets/signaling/Index.html</a>
2	Distant cell signaling	- <a href="https://education-portal.com/academy/lesson/signal-reception-and-transduction-in-cells.html#lesson">https://education-portal.com/academy/lesson/signal-reception-and-transduction-in-cells.html#lesson</a> - <a href="https://education-portal.com/academy/lesson/signal-transduction-pathways-of-cells.html#lesson">https://education-portal.com/academy/lesson/signal-transduction-pathways-of-cells.html#lesson</a> - <a href="https://education-portal.com/academy/lesson/cellular-responses-to-signals.html#lesson">https://education-portal.com/academy/lesson/cellular-responses-to-signals.html#lesson</a> <b>Do:</b> Fill in note sheet
3	Chemical signals in animals	<b>Read:</b> Chp 47 (pp. 929-935, 937-938) <b>Do:</b> Chemical Signal PowerPoint Hormone WS (finish for HW if not complete)
4	Hormones and the endocrine system	<b>Read:</b> Chp 47 (section 47.4) <b>Do:</b> Watch animation <a href="http://sites.sinauer.com/psychopharm2e/animations03.03.html">http://sites.sinauer.com/psychopharm2e/animations03.03.html</a> <b>HW:</b> Go to website and read through all 3 core concepts <a href="http://www.vivo.colostate.edu/hbooks/pathophys/endocrine/moaction/index.html">http://www.vivo.colostate.edu/hbooks/pathophys/endocrine/moaction/index.html</a>
5	Protein targeting	<b>Read:</b> Chp 7 (sections 7.4 – 7.5) <b>Do:</b> Work through website in class; step through <a href="http://sites.sinauer.com/cooper6e/animation0901.html">http://sites.sinauer.com/cooper6e/animation0901.html</a> <b>HW:</b> Bioskills 9
6	Protein targeting continued	<b>Do:</b> Discuss endomembrane system Work through website on Pulse-Chase <a href="http://www.sumanasinc.com/webcontent/animations/content/pulsechase/pulsechase.html">http://www.sumanasinc.com/webcontent/animations/content/pulsechase/pulsechase.html</a> (pre and post quiz) Discuss Signal Hypothesis (diagram)
7	Animal hormones – glucose regulation	<b>Read:</b> Chp 43 (section 43.4) Chp 47 (section 47.3) <b>Do:</b> Go through websites <a href="http://bcs.whfreeman.com/thelifewire/content/chp50/5002s.swf">http://bcs.whfreeman.com/thelifewire/content/chp50/5002s.swf</a>  <a href="http://bcs.whfreeman.com/thelifewire/content/chp42/4202s.swf">http://bcs.whfreeman.com/thelifewire/content/chp42/4202s.swf</a>

		<a href="http://bcs.whfreeman.com/thelifewire/content/chp42/4202a.swf">http://bcs.whfreeman.com/thelifewire/content/chp42/4202a.swf</a>
8	Plant light sensing Quiz #4	<b>Read:</b> Chp 39 (pp. 755-762) <b>Do:</b> Set up geotropism and phototropism labs Discuss phytochrome signaling <a href="http://highered.mheducation.com/sites/9834092339/student_view0/chapter41/animation_-_phytochrome_signaling.html">http://highered.mheducation.com/sites/9834092339/student_view0/chapter41/animation_-_phytochrome_signaling.html</a> Bring in your plants and results from your experiments with your partners
9	Membranes Electrical signals	<b>Read:</b> Chp 6 (section 6.3, pp. 94-99...review) Chp 45 (section 45.1) <a href="https://education-portal.com/academy/lesson/neurons.html#lesson">https://education-portal.com/academy/lesson/neurons.html#lesson</a> <b>Do:</b> Neuron WS along with website and take notes <a href="https://education-portal.com/academy/lesson/neurotransmitters.html#lesson">https://education-portal.com/academy/lesson/neurotransmitters.html#lesson</a>
10	Action Potentials	<a href="http://highered.mheducation.com/sites/0072495855/student_view0/chapter14/animation_the_nerve_impulse.html">http://highered.mheducation.com/sites/0072495855/student_view0/chapter14/animation_the_nerve_impulse.html</a> <b>Do:</b> Resting and Action Potential of a Neuron WS in groups and share
11	Neurons Nervous system	<b>Read:</b> Chp 45 (sections 45.2-45.4) <b>Do:</b> The Central Nervous System WS <b>HW:</b> Brain Labeling WS
12	Neuron recap	<b>Do:</b> Connect the Neurons activity
13	Sensory systems	<b>Read:</b> Chp 46 (sections 46.1, 46.4) <b>Do:</b> Make Sense of Your Senses Lab
14	Taste and Smell	<b>Do:</b> Did You Smell What I Tasted Lab
15	Animal behavior Thermoregulation	<b>Read:</b> Chp 51 (pp. 1019-1020) Chp 41 (pp. 803-804; sections 41.3-41.5) <b>Do:</b> There Is No Place Like Homeostasis activity
16	Muscles	<b>Do:</b> Work through website <a href="http://www.wiley.com/college/pratt/0471393878/student_animations/actin_myosin/actin_myosin.swf">http://www.wiley.com/college/pratt/0471393878/student_animations/actin_myosin/actin_myosin.swf</a> <b>HW:</b> Review websites: <a href="http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter10/animation_myofilament_contraction.html">http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter10/animation_myofilament_contraction.html</a> <a href="http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter10/animation_sarcomere_contraction.html">http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter10/animation_sarcomere_contraction.html</a>
17	Exam 3	<b>Bring:</b> Notebook paper "cheat sheet"

## UNIT 4

Day	Topic	Reading and Work (to be read by the day it is covered in class)
1	Plant diversity and structure	<b>Read:</b> Chp 30 (pages 546-555) <b>Do:</b> Plant Part Placement
2	Plant cells and tissues	<b>Read:</b> Chp 36 (section 3) <b>Do:</b> Go over in class: <a href="http://www.phschool.com/science/biology_place/biocoach/plants/intro.html">http://www.phschool.com/science/biology_place/biocoach/plants/intro.html</a> (through concept 6) <a href="https://education-portal.com/academy/lesson/structure-of-plant-stems-vascular-and-ground-tissue.html#lesson">https://education-portal.com/academy/lesson/structure-of-plant-stems-vascular-and-ground-tissue.html#lesson</a>
3	Plant cells and tissues	<b>Do:</b> Let's Root Out the Truth Lab Root of the Problem slides <b>HW:</b> Finish Root of the Problem W.S.
4	Transport, water balance in plants	<b>Read:</b> Chp 37 <b>Do:</b> What Stems from this Investigation <a href="http://www.uic.edu/classes/bios/bios100/f06pm/transport.htm">http://www.uic.edu/classes/bios/bios100/f06pm/transport.htm</a> <b>HW:</b> Go to website and read the entire page. Click on all blue terms to see diagrams
5	Water and electrolyte balance in animals	<b>Read:</b> Chp 42 (sections 42.1-42.3) <b>Do:</b> PowerPoint slides 1-18
6	Water and electrolyte balance in animals	<b>Do:</b> PowerPoint slides 19-35 Hand out Water and Electrolyte note sheet
7	Ecology – introduction, population ecology <b>Quiz #5</b>	<b>Read:</b> Chp 50 (intro and 5.1); Chp 52.1 <b>Do:</b> Encountering Ecology activity <b>HW:</b> Life Expectancy and Diabetes Article
8	Limits to populations, population dynamics	<b>Read:</b> Chp 52 (section 52.2-52.4) <b>Do:</b> Population Dynamics PowerPoint
9	Community ecology – species interactions	<b>Read:</b> Chp 53 (52.1) <b>Do:</b> Community Ecology PowerPoint with guided notes
10	Community ecology – structure and dynamics	<b>Read:</b> Chp 53 (section 53.2-53.3) <b>Do:</b> Work through website scenarios as a class <a href="http://www.mrphome.net/mrp/succession.swf">http://www.mrphome.net/mrp/succession.swf</a> Complete Ecological Succession worksheet
11	Ecosystems – energy flow, human impacts	<b>Read:</b> Chp 54 (sections 54.1 & 54.3) and Chp 50.3 <b>Do:</b> PowerPoint Go to website and work through experiment: <a href="http://www.phschool.com/science/biology_place/labbench/lab12/intro.html">http://www.phschool.com/science/biology_place/labbench/lab12/intro.html</a> <b>HW:</b> Dissolved Oxygen lab sheet
12	Biodiversity	<b>Read:</b> Chp 55 (sections 55.1-2) <b>Do:</b> Modified NOW activity
13	Extinction and species conservation	<b>Read:</b> Chp 55 (sections 55.3-4) <b>Do:</b> Complete NOW activity
14	<b>EXAM 4</b>	<b>Bring:</b> Notebook paper “cheat sheet”



## UNIT 6

Day	Topic	Reading and Work (to be read by the day it is covered in class)
1	Gene mapping, Pedigrees, Non-Mendelian genetics	<p><b>Read:</b> Chp 13 (sections 5-6) Chp 19.4</p> <p><b>Do:</b> On SmartBoard as a class: <a href="http://teach.genetics.utah.edu/content/begin/dna/findagene.pdf">http://teach.genetics.utah.edu/content/begin/dna/findagene.pdf</a> How to make a linkage map based on phenotype of Offspring</p> <p><b>HW:</b> Genetic Mapping WS</p>
2	How genes work	<p><b>Read:</b> Chp 15 (intro – 15.3)</p> <p><b>Do:</b> As a class: <a href="http://wps.prenhall.com/wps/media/objects/1552/1589869/web_tut/21_04/21_04_01a.swf">http://wps.prenhall.com/wps/media/objects/1552/1589869/web_tut/21_04/21_04_01a.swf</a></p> <p><b>HW:</b> Work through: <a href="http://www.dnalc.org/view/16360-Animation-16-One-gene-makes-one-protein-.html">http://www.dnalc.org/view/16360-Animation-16-One-gene-makes-one-protein-.html</a></p>
3	RNA, Transcription	<p><b>Read:</b> Chp 4.3 Chp 16 (intro – 16.1)</p> <p><b>Do:</b> Watch protein synthesis movie clip DNA vs RNA PowerPoint <a href="http://www.professorcrista.com/files/animations/posted_animations/transcription_process.swf">http://www.professorcrista.com/files/animations/posted_animations/transcription_process.swf</a></p> <p><b>HW:</b> Work through site through Transcription tab <a href="http://www.wiley.com/college/test/0471787159/biology_basics/animations/fromGeneToProtein.swf">http://www.wiley.com/college/test/0471787159/biology_basics/animations/fromGeneToProtein.swf</a></p>
4	Eukaryotic transcription and splicing	<p><b>Read:</b> Chp 16.2, pp. 368-369 (Why do humans have so few genes?), pg. 328 (alternative splicing of mRNAs)</p> <p><b>Do:</b> Work through sites as a class <a href="http://www.phschool.com/science/biology_place/biocoach/transcription/intro.html">http://www.phschool.com/science/biology_place/biocoach/transcription/intro.html</a></p> <p><a href="http://bcs.whfreeman.com/thelifewire/content/chp12/1202001.html">http://bcs.whfreeman.com/thelifewire/content/chp12/1202001.html</a></p> <p><b>HW:</b> Work through RNA Processing tab <a href="http://www.wiley.com/college/test/0471787159/biology_basics/animations/fromGeneToProtein.swf">http://www.wiley.com/college/test/0471787159/biology_basics/animations/fromGeneToProtein.swf</a></p>
5	Translation	<p><b>Read:</b> Chp 16 (sections 3-5)</p> <p><b>Do:</b> From Gene to Protein</p> <p><b>HW:</b> Work through Translation to Summary to Quiz <a href="http://www.wiley.com/college/test/0471787159/biology_basics/animations/fromGeneToProtein.swf">http://www.wiley.com/college/test/0471787159/biology_basics/animations/fromGeneToProtein.swf</a></p>
6	DNA Mutation and repair	<p><b>Read:</b> Chp 14.5 Chp 15.4</p> <p><b>Do:</b> Mutation types PowerPoint</p> <p><b>HW:</b> Gene and Chromosome Mutations WS</p>
7	DNA Sequencing	<p><b>Read:</b> Chp 19 (intro – 19.3)</p>

	and Plasmid cloning	<b>Do:</b> Cloning a paper plasmid Work through bacteria reproduction WS <b>HW:</b> Learn Summary Table 19.1, pp. 352-353
8	DNA Sequencing Cont'd	<b>Do:</b> Restriction Enzyme Simulation <b>HW:</b> DNA Sequencing Article
9	<b>EXAM 6</b>	<b>Bring:</b> Notebook paper "cheat sheet"

## UNIT 7

Day	Topic	Reading and Work (to be read by the day it is covered in class)
1	Darwin and evidence for evolution	<b>Read:</b> Chp 1.3 Chp 24 (intro, sections 1-3) <b>Do:</b> Darwinian View of Life Activity <b>HW:</b> Sea Louse article
2	Natural selection	<b>Read:</b> Chp 24 (sections 4-5) <b>Do:</b> As a class: <a href="http://evolution.berkeley.edu/evolibrary/article/similarity_hs_01">http://evolution.berkeley.edu/evolibrary/article/similarity_hs_01</a> <b>HW:</b> Write synopsis of 2 case studies (pp. 424-428)
3	Natural selection	<b>Read:</b> Chp 24 (sections 4-5) <b>Do:</b> Work through Bozeman site on Hardy-Weinberg <a href="https://www.youtube.com/watch?v=xPkOAnK20kw">https://www.youtube.com/watch?v=xPkOAnK20kw</a> <b>HW:</b> Hardy-Weinberg problems
4	Natural selection	<b>Read:</b> Chp 25.1 <b>Do:</b> Teddy Grahams Lab <b>HW:</b> Completely go through website to familiarize yourself with tomorrow's lab: <a href="http://www.phschool.com/science/biology_place/labbench/lab8/intro.html">http://www.phschool.com/science/biology_place/labbench/lab8/intro.html</a>
5	Evolutionary processes	<b>Read:</b> Chp 25 (sections 1 and 3) <b>Do:</b> Population genetics lab (AP lab #8) <b>HW:</b> Complete lab computations and questions
6	Evolutionary processes	<b>Read:</b> Chp 25 (sections 2,4,5) <b>Do:</b> Drift Worm activity (genetic drift)
7	Evolutionary processes	<b>Read:</b> Chp 25.6 <b>Do:</b> Speciation PwrPt <b>HW:</b> Sexual selection / speciation WS
8	Speciation	<b>Read:</b> Chp 26 (intro, sections 1-2) <b>Do:</b> Finish PwrPt
9	Speciation	<b>Read:</b> Chp 26 (sections 3-4) <b>Do:</b> As a class: <a href="http://wps.prenhall.com/esm_freeman_biosci_1/0,6452,499573-.00.html">http://wps.prenhall.com/esm_freeman_biosci_1/0,6452,499573-.00.html</a>
10	Phylogenies	<b>Read:</b> Chp 1.4 Chp 27 (intro, sections 1-2) <b>Do:</b> Review of geologic timeline: <a href="http://www.ucmp.berkeley.edu/education/explorations/tours/geotime/index.html">http://www.ucmp.berkeley.edu/education/explorations/tours/geotime/index.html</a>

		Who's on First? part A
11	Phylogenies	<p><b>Read:</b> Chp 27 (sections 3-4)</p> <p><b>Do:</b> Who's on First? part B</p> <p><a href="http://evolution.berkeley.edu/evolibrary/article/phylogenetics_01">http://evolution.berkeley.edu/evolibrary/article/phylogenetics_01</a></p> <p><b>HW:</b> Begin research on kingdom phylogeny assigned</p>
12	Phylogenies	<p><b>Do:</b> Go to computer lab and work through site:</p> <p><a href="http://archive.peabody.yale.edu/exhibits/treeoflife/learn.html">http://archive.peabody.yale.edu/exhibits/treeoflife/learn.html</a></p>
13	Phylogenies	<p><b>Do:</b> Create phylogeny poster</p> <p><b>HW:</b> Complete poster</p>
14	<b>EXAM 7</b>	<b>Bring:</b> Notebook paper "cheat sheet"