	MONDAY September 4	TUESDAY September 5	WEDNESDAY September 6 Day 1	THURSDAY September 7 Day 2	FRIDAY September 8 Day 3
AP BIOLOGY	Over the summer students should have completed the following assignments that were e-mailed home (and also found on the class website—www.goldiesroom.org): 1. AP Biology Pre-Test (~40 questions) 2. Graphical and Statistical Analysis of Data w/ Excel 3. Making Connections Lab – Redux Also, you should have looked at the materials on regarding the class found on-line… namely, the 'AP Biology Handbook' and 'All About AP Biology Labs'. You will see really soon when we start that there is no time to waste throughout the school year. Get ready for the fun!		Introductions; Collect Lab 01; Textbooks; Lecture 000: Welcome to AP/Student Expectations;	Lecture 001: Themes of Biology Work on QS 01	Lecture 002: Chemistry Review Work on QS 02
LAB				Lab 22: Artificial Selection (Generation 1 planting)	
HW			Read Ch 1; Question Set 01; Read Lab 22, pages 2 – 3 ("planting guide")	Ch 1 online Quiz; Read Ch 2.1 – 2.3; Question Set 02; Read Lab 02 – Part I: Measurement, Accuracy, Precision, and Graphical Analysis	Read Ch 2.4; Question Set 03 Read Lab 02 – Part I: Measurement, Accuracy, Precision, and Graphical Analysis

	MONDAY September 11 Day 4	TUESDAY September 12 Day 5	WEDNESDAY September 13 Day 6	THURSDAY September 14 Day 1	FRIDAY September 15 Day 2
AP BIOLOGY	<u>Lab 02:</u> Biology Lab Skills Part I – Measurement, Accuracy, Precision, and Graphical Analysis	Lecture 003: Properties of Water Work on QS 03	<u>Lab 02:</u> Biology Lab Skills Part I – Measurement, Accuracy, Precision, and Graphical Analysis (finish after school if you need to!)	Lecture 004: Carbon Chemistry Work on QS 04	<u>Lab 02:</u> Biology Lab Skills Part II – Inferential Statistics and the Chi-Square Analysis
LAB			<u>Lab 01 Recap</u> Writing/Grading of Lab Reports: ex. <u>The Value of Animations in Biology Teaching</u>		
HW	Read Ch 2.4; Question Set 03	Ch 2 online Quiz; Read Ch 3.1; Question Set 04; EXTRA CREDIT 01 due Thursday	Read Ch 3.1; Question Set 04; Lab 02 (pg. 1 – 18) Read Lab 02 – Part II: Inferential Statistics; EXTRA CREDIT 01 due tomorrow	Read Ch 3.2; Question Set 05; Read Lab 02 – Part II: Inferential Statistics	Read Ch 3.2; Question Set 05; Lab 02 (pg. 19 - 31); Read Lab 02 – Part III: Spectrophotometry

	MONDAY September 18 Day 3	TUESDAY September 19 Day 4	WEDNESDAY September 20 Day 5	THURSDAY September 21 Day 6	FRIDAY September 22 Day 1
AP BIOLOGY	Lecture 005: Proteins Work on QS 05	<u>Lab 02:</u> Biology Lab Skills Part III – Basics of Spectrophotometry	Lecture 006: Carbohydrates Work on QS 06	Lecture 007: Lipids Work on QS 07	Lecture 008: Nucleic Acids Work on QS 08
LAB		<u>Lab 22:</u> Artificial Selection (counting trichomes)		<u>Lab 03:</u> Fruit Fly Behavior (Experimental Design)	
HW	Read Ch 3.3; Question Set 06; Read Lab 02 – Part III: Spectrophotometry	Read Ch 3.3; Question Set 06; Lab 02 due Friday	Read Ch 3.4; Question Set 07; Read Lab 03 EXTRA CREDIT 02 due Friday	Ch 3 online Quiz; Read Ch 4 Question Set 08; Prelab for Lab 03 due tomorrow EXTRA CREDIT 02 due tomorrow	Ch 4 online Quiz; Bring "Test Items" for Lab 03

	MONDAY September 25 Day 2	TUESDAY September 26 Day 3	WEDNESDAY September 27 Day 4	THURSDAY September 28 Day 5	FRIDAY September 29
AP BIOLOGY	<u>Lab 03:</u> Fruit Fly Behavior *Drosophila melanogaster* Preferences	<u>Lab 03:</u> Fruit Fly Behavior *Drosophila melanogaster* Preferences	Lecture 009: Introduction to Cells Work on QS 09	Lecture 010: The Cell—Nucleus and Ribosomes Work on Question Sets QS 10 – 13	
LAB			<u>Lab 04:</u> Diffusion & Osmosis (Testing Surface Area)		
HW	Read Ch 5.1 – 5.2; Question Set 09; Read Lab 04 – Part I	Read Ch 5.1 – 5.2; Question Set 09; Read Lab 04 – Part I Lab 03 due next Monday	Read Ch 5.2 – 5.4; Question Set 10 – 13; Lab 03 due next Monday	Read Ch 5.2 – 5.4; Question Set 10 – 13; Lab 03 due Monday LAB 03 QUESTION MONDAY	

	MONDAY October 2 Day 6	TUESDAY October 3 Day 1	WEDNESDAY October 4 Day 2	THURSDAY October 5 Day 3	FRIDAY October 6
AP BIOLOGY	LAB QUESTION Lecture 011: The Cell—The Endomembrane System Work on Question Sets 10 – 13	Lecture 012: The Cell—Energy Systems Work on Question Sets 10 – 13	Lecture 013: The Cell—The Cytoskeleton Work on Question Sets 10 – 13	Lecture 014: Plasma Membrane Work on QS 14	
LAB	Lab 04: Diffusion & Osmosis (Reviewing Surface Area)		Lab 04: Diffusion & Osmosis (Reviewing Ψ_w)		
HW	Read Ch 5.2 – 5.4; Question Set 10 – 13; EXTRA CREDIT 03 due tomorrow	Read Ch 5.2 – 5.4; Question Set 10 – 13; Read Lab 04;	Ch 5 online Quiz; Read Ch 6.1 – 6.2; Question Set 14; EXTRA CREDIT 04 due Monday	Read Ch 6.3 – 6.5; Question Set 14; Bring Apples! EXTRA CREDIT 04 due Monday	

	MONDAY October 9	TUESDAY October 10 Day 4	WEDNESDAY October 11 Day 5	THURSDAY October 12 Day 6	FRIDAY October 13 Day 1
AP BIOLOGY	NO SCHOOL	<u>Lab 04:</u> Diffusion & Osmosis Part II – Measuring Osmosis Part III – Procedure Demonstration	Lecture 014: Transport Across the Membrane Work on QS 14	<u>Lab 04:</u> Diffusion & Osmosis Part III – How d'ya like 'dem Apples!	Lecture 014: Transport Across the Membrane Work on QS 14 Lab 04 data collection
LAB					
HW		Read Ch 6.3 – 6.5; Question Set 14; Lab 04 – Part II data due tomorrow; Lab 04 – Part III prelab due tomorrow	Read Ch 6.3 – 6.5; Question Set 14;	Read Ch 6.3 – 6.5; Question Set 14; EXTRA CREDIT 05 due Monday Lab 04 due Tuesday;	Read Ch 6.3 – 6.5; Question Set 14; EXTRA CREDIT 05 due Monday Lab 04 due Tuesday; LAB 04 QUESTION TUESDAY TEST #1 WEDNESDAY

	MONDAY October 16 Day 2	TUESDAY October 17 Day 3	WEDNESDAY October 18 Day 4	THURSDAY October 19 Day 5	FRIDAY October 20 Day 6
AP BIOLOGY	Lecture 014: Transport Across the Membrane Work on QS 14	LAB QUESTION (Catch Up Day) Working on Review Packets	TEST Chapters 1 – 6 Labs 1 – 4	Lecture 015: Energy and ATP Work on QS 15	Lecture 016: Enzymes Work on QS 16
LAB	Computer Room for Lab 04 Help				Test #1 Analysis
HW	Ch 6 online Quiz; TEST #1 WEDNESDAY Work on Review Packets (on-line) Lab 04 due tomorrow	TEST #1 TOMORROW Work on Review Packets (on-line)	Read Ch 8.1 – 8.2; Question Set 15;	Read Ch 8.3 – 8.5; Question Set 16;	Read Ch 8.3 – 8.5; Question Set 16;

	MONDAY October 23 Day 1	TUESDAY October 24 Day 2	WEDNESDAY October 25 Day 3	THURSDAY October 26 Day 4	FRIDAY October 27 Day 5
AP BIOLOGY	Lecture 016: Enzymes Work on QS 16	Lecture 016: Enzymes Work on QS 16	<u>Lab 05:</u> Enzyme Activity Part I – Trial Baseline Run	<u>Lab 05:</u> Enzyme Activity Part II – Group Investigations	Lecture 017: Respiration Concepts Work on QS 17
LAB		<u>Lab 05:</u> Enzyme Activity (Experimental Design)			
HW	Read Ch 8.3 – 8.5; Question Set 16; Read Lab 05;	Ch 8 online Quiz; Prelab for Lab 05 due tomorrow	Read Ch 9.1; Question Set 17; Lab 05 due next Wednesday	Read Ch 9.1; Question Set 17; Lab 05 due next Wednesday	Read Ch 9.2 – 9.5; Question Set 18 – 20; Lab 05 due next Wednesday

	MONDAY October 30 Day 6	TUESDAY October 31 Day 1	WEDNESDAY November 1 Day 2	THURSDAY November 2 Day 3	FRIDAY November 3 Day 4
AP BIOLOGY	Lecture 018: Glycolysis Work on Question Sets 18 – 20	Lecture 019: Pyruvate Oxidation and Citric Acid Cycle Work on Question Sets 18 – 20	LAB QUESTION Lecture 020: Electron Transport Chain Work on Question Sets 18 – 20	Lecture 021: Regulation of Respiration Work on QS 21	<u>Lab 06:</u> Organismal Respiration Baseline Temp Run
LAB	Computer Room for Lab 05 Help		<u>Lab 06:</u> Organismal Respiration ('Review' of PV = nRT)	start P generation	
HW	Read Ch 9.2 – 9.5; Question Set 18 – 20; Lab 05 due Wednesday	Read Ch 9.2 – 9.5; Question Set 18 – 20; Lab 05 due tomorrow LAB 05 QUESTION TOMORROW	Read Ch 9.6, 49.4; Question Set 21; Read Lab 06	Read Ch 9.6, 49.4; Question Set 21; Read Lab 06	Ch 9 online Quiz; Group must have Introduction Section of Lab Completed by Monday; Lab 06 due Thursday

	MONDAY November 6 Day 5	TUESDAY November 7 Day 6	WEDNESDAY November 8 Day 1	THURSDAY November 9 Day 2	FRIDAY November 10
AP BIOLOGY	<u>Lab 06:</u> Organismal Respiration Group Dynamics Using the Data	<u>Lab 06:</u> Organismal Respiration Group Investigations	Lecture 022: Light Reactions of Photosynthesis Work on Question Sets 22 – 23	LAB QUESTION Lecture 022: Light Reactions of Photosynthesis Work on Question Sets 22 – 23	
LAB	start scallions and *Sordaria* media			<u>Lab 22:</u> Artificial Selection (Generation 2 planting)	
HW	Read Ch 10.1 – 10.3; Question Set 22 – 23; Lab 06 due Thursday	Read Ch 10.1 – 10.3; Question Set 22 – 23; Lab 06 due Thursday	Read Ch 10.1 – 10.3; Question Set 22 – 23; Lab 06 due tomorrow	Read Ch 10.1 – 10.3; Question Set 22 – 23; EXTRA CREDIT 06 due Monday	

	MONDAY November 13 Day 3	TUESDAY November 14 Day 4	WEDNESDAY November 15 Day 5	THURSDAY November 16 Day 6	FRIDAY November 17 Day 1
AP BIOLOGY	<u>Lab 07:</u> Storyboard for Chromatography Techniques Lab	<u>Lab 07:</u> Chromatography Techniques Paper and TLC Chromatography of Spinach Leaf Pigments	Lecture 023: Calvin Cycle—The Dark Reactions of Photosynthesis Work on Question Sets 22 – 23	Lecture 024: Plant Homeostasis Work on QS 24	Lecture 024: Plant Homeostasis Work on QS 24
LAB	isolate virgin flies		isolate virgin files	<u>Lab 08:</u> Preview of Light Reactions Lab	P generation crossing
HW	Read Ch 10.1 – 10.3; Question Set 22 – 23; Lab 07 due Wednesday	Read Ch 10.1 – 10.3; Question Set 22 – 23; Lab 07 due tomorrow	Read Ch 10.4 – 10.5, 35.1 – 35.3; Question Set 24; Read Lab 08	Read Ch 10.4 – 10.5, 35.1 – 35.3; Question Set 24;	Ch 10 online Quiz; Work on Review Packets (on-line)

	MONDAY November 20 Day 2	TUESDAY November 21 Day 3	WEDNESDAY November 22	THURSDAY November 23	FRIDAY November 24
AP BIOLOGY	<u>Lab 08:</u> Light Reactions of Photosynthesis	<u>Lab 22:</u> Artificial Selection (Catch Up Day) Working on Review Packets			
LAB		*Sordaria* culture start			
HW	TEST #2 MONDAY Work on Review Packets (on-line) Lab 08 due tomorrow	TEST #2 MONDAY Work on Review Packets (on-line)			

	MONDAY November 27 Day 4	TUESDAY November 28 Day 5	WEDNESDAY November 29 Day 6	THURSDAY November 30 Day 1	FRIDAY December 1 Day 2
AP BIOLOGY	**TEST** Chapters 6 – 8, 35 Labs 5 – 8	Lecture 025: Cell Cycle Control Work on QS 25	Lecture 025: Cell Cycle Control Work on QS 25	Lecture 026: Phases of Mitosis Work on QS 26	Lecture 027: Meiosis and Sexual Reproduction Work on Question Sets 27 – 28
LAB		P generation removal	<u>Lab 11:</u> *Drosophila* Genetics (observing mutants)		<u>Lab 09:</u> Cell Division Lab Preview
HW	Read Chapter 11.1 - 11.2, 11.7; Question Set 25;	Read Chapter 11.1 - 11.2, 11.7; Question Set 25; EXTRA CREDIT 07 due Thursday	Read Ch 11.3; Question Set 26; EXTRA CREDIT 07 due tomorrow	Read Ch 11.4 – 11.6; Question Set 27 – 28; Read Lab 09	Read Ch 11.4 – 11.6; Question Set 27 – 28; Read Lab 09 EXTRA CREDIT 08 due Tuesday

	MONDAY December 4 Day 3	TUESDAY December 5 Day 4	WEDNESDAY December 6 Day 5	THURSDAY December 7 Day 6	FRIDAY December 8 Day 1
AP BIOLOGY	Lecture 028: Human Chromosomal Abnormalities Work on Question Sets 27 – 28	<u>Lab 09:</u> Cell Division Determining the Effects of Lectin on Onion Root Tip Cells	<u>Lab 09:</u> Cell Division Determining the Effects of Lectin on Onion Root Tip Cells (continue collecting data after school if needed)	<u>Lab 10:</u> Meiosis & Tetrad Analysis *Sordaria fimicola* Recombination Frequency	<u>Lab 10:</u> Meiosis & Tetrad Analysis *Sordaria fimicola* Recombination Frequency (continue collecting data after school if needed)
LAB					
HW	Ch 11 online Quiz; Read Lab 09 EXTRA CREDIT 08 due Wednesday	Lab 09 due Thursday; Read Lab 09	Lab 09 due tomorrow; Read Lab 10	Lab 10 due Monday; Read Lab 10	Lab 10 due Monday; LAB 09 & 10 QUESTION MONDAY Read Ch 12.1; Question Sets 29 – 30

	MONDAY December 11 Day 2	TUESDAY December 12 Day 3	WEDNESDAY December 13 Day 4	THURSDAY December 14 Day 5	FRIDAY December 15 Day 6
AP BIOLOGY	LAB QUESTION Lecture 029: Mendel Work on Question Sets 29 – 30	Lecture 029: Mendel Work on Question Sets 29 – 30	Lecture 030: Probability & Pedigrees Work on Question Sets 29 – 30	Lecture 031: Beyond Mendel Work on QS 31	Lecture 031: Beyond Mendel Work on QS 31
LAB			<u>Lab 11:</u> *Drosophila* Genetics (F_1 generation crossing)		<u>Lab 11:</u> *Drosophila* Genetics (prelab review)
HW	Read Ch 12.1; Question Sets 29 – 30	Read Ch 12.1; Question Sets 29 – 30	Read Ch 12.1; Question Sets 29 – 30	Read Ch 12.2 – 12.6; Question Set 31	Read Ch 12.2 – 12.6; Question Set 31; Prelab for Lab 11 due Monday

	MONDAY December 18 Day 1	TUESDAY December 19 Day 2	WEDNESDAY December 20 Day 3	THURSDAY December 21 Day 4	FRIDAY December 22 Day 5
AP BIOLOGY	Lecture 031: Beyond Mendel Work on QS 31	Lecture 031: Beyond Mendel Work on QS 31	Lecture 031: Beyond Mendel Work on QS 31	**TEST** Chapters 11 – 12 Labs 9 – 10	<u>Lab 11:</u> *Drosophila* Genetics (larvae check & mutant observation)
LAB		<u>Lab 11:</u> *Drosophila* Genetics			
HW	Read Ch 12.2 – 12.6; Question Set 31; TEST #3 THURSDAY	Read Ch 12.2 – 12.6; Question Set 31; TEST #3 THURSDAY	Ch 12 online Quiz; TEST #3 TOMORROW Work on Review Packets (on-line)	Read Chapter 13; Question Set 32;	Read Chapter 13; Question Set 32;

	MONDAY December 26	TUESDAY December 27	WEDNESDAY December 28	THURSDAY December 29	FRIDAY December 30
AP BIOLOGY					
LAB					
HW					

	MONDAY January 1	TUESDAY January 2 Day 6	WEDNESDAY January 3 Day 1	THURSDAY January 4 Day 2	FRIDAY January 5 Day 3
AP BIOLOGY		Lecture 032: The Structure and Function of DNA Work on QS 32	Lecture 032: The Structure and Function of DNA (continued) Work on QS 32	Lecture 032: The Structure and Function of DNA (continued) Work on QS 32	Lecture 032: The Structure and Function of DNA (continued) Work on QS 32
LAB		<u>Lab 11:</u> *Drosophila* Genetics (F_2 generation counting)		<u>Lab 11:</u> *Drosophila* Genetics (F_2 generation counting)	
HW		Read Chapter 13; Question Set 32; Lab 11 due Monday	Read Chapter 13; Question Set 32; Lab 11 due Monday EXTRA CREDIT 10 due Friday	Read Chapter 13; Question Set 32; Lab 11 due Monday EXTRA CREDIT 10 due tomorrow	Ch 13 online Quiz; Read Lab 12; Lab 11 due Monday LAB 11 QUESTION

	MONDAY January 8 Day 4	TUESDAY January 9 Day 5	WEDNESDAY January 10 Day 6	THURSDAY January 11 Day 1	FRIDAY January 12 Day 2
AP BIOLOGY	LAB QUESTION Lab 12a: PV92 Bioinformatics: Polymerase Chain Reaction (isolate and amplify DNA)	Lecture 033: From DNA to Protein Work on QS 33	Lab 12a: PV92 Bioinformatics: Polymerase Chain Reaction (electrophoresis of DNA)	Lecture 033: From DNA to Protein (continued) Work on QS 33	Lecture 033: From DNA to Protein (continued) Work on QS 33
LAB	Gel Electrophoresis Review				Protein Synthesis Review Videos
HW	Read Chapter 14; Question Set 33;	Read Chapter 14; Question Set 33; Read Lab 12 EXTRA CREDIT 11 due Tuesday	Read Chapter 14; Question Set 33; Lab 12 due Friday EXTRA CREDIT 11 due Tuesday	Read Chapter 14; Question Set 33; Lab 12 due tomorrow	Ch 14 online Quiz; Read Ch 15.1 –15.2; Question Set 34;

	MONDAY January 15	TUESDAY January 16 Day 3	WEDNESDAY January 17 Day 4	THURSDAY January 18 Day 5	FRIDAY January 19 Day 6
AP BIOLOGY		Lecture 034: Mutations Work on QS 34	Lecture 034: Mutations Work on QS 34	<u>Lab 14:</u> DNA Restriction Analysis Perform Restriction Digest of λ DNA	<u>Lab 14:</u> DNA Restriction Analysis Separate λ DNA Fragments via Gel Electrophoresis
LAB			<u>Lab 13:</u> Restriction Enzyme Simulation		Lab 14: Questions #7 – 13
HW		Read Ch 15.3; Question Set 34; Read Lab 13; EXTRA CREDIT 13 due tomorrow	Ch 15 online Quiz; Lab 13 due tomorrow Read Lab 14	Read Lab 14; EXTRA CREDIT 09 due tomorrow	Lab 14 due 1/29; Read Chapter 16.1; Question Set 35;

	MONDAY January 22	TUESDAY January 23	WEDNESDAY January 24	THURSDAY January 25	FRIDAY January 26
AP BIOLOGY	REGENTS WEEK – NO CLASSES				
LAB					
HW					

	MONDAY January 29 Day 1	TUESDAY January 30 Day 2	WEDNESDAY January 31 Day 3	THURSDAY February 1 Day 4	FRIDAY February 2 Day 5
AP BIOLOGY	Lecture 035: Regulation of Gene Expression Work on QS 35	Lecture 035: Regulation of Gene Expression Work on QS 35	Lecture 035: Regulation of Gene Expression Work on QS 35	Lecture 035: Regulation of Gene Expression Work on QS 35	Lecture 036: DNA Technologies Work on QS 36
LAB		Video - Viruses		Video - RNAi	
HW	Read Chapter 16.3; Question Set 35; EXTRA CREDIT 12 due Wednesday	Read Chapter 16.2 & 16.4; Question Set 35; EXTRA CREDIT 12 due tomorrow	Read Chapter 16.2 & 16.4; Question Set 35;	Ch 16 online Quiz; Read Ch 17.1 -17.4; Question Set 36; EXTRA CREDIT 14-16 due Monday	Read Ch 17.1 -17.4 and 18.1 – 18.3; Question Set 36; EXTRA CREDIT 14-16 due Monday

	MONDAY February 5 Day 6	TUESDAY February 6 Day 1	WEDNESDAY February 7 Day 2	THURSDAY February 8 Day 3	FRIDAY February 9 Day 4
AP BIOLOGY	Lecture 036: DNA Technologies Work on QS 36	Lecture 036: DNA Technologies Work on QS 36	Lecture 036: DNA Technologies Work on QS 36	<u>Lab 16:</u> Bacterial Transformation Review Concepts and Preview Protocol Lab 16: Questions #1 – 4	<u>Lab 16:</u> Bacterial Transformation Transformation of *E.coli* HB101 with pGLO Lab 16: Questions #5 – 8
LAB	<u>Lab 15:</u> Engineering a Plasmid Simulation		Video – GM Foods		
HW	Read Ch 18.1 – 18.3 Question Set 36; Lab 15 due Friday EXTRA CREDIT 17 due Wednesday	Read Ch 18.2 – 18.3; Question Set 36; Lab 15 due tomorrow EXTRA CREDIT 17 due tomorrow	Read Lab 16 Ch 17/18 online Quiz;	Read Lab 16 TEST #4 WEDNESDAY Work on Review Packets (on-line)	Read Lab 16 TEST #4 WEDNESDAY Work on Review Packets (on-line)

	MONDAY February 12 Day 5	TUESDAY February 13 Day 6	WEDNESDAY February 14 Day 1	THURSDAY February 15 Day 2	FRIDAY February 16 Day 3
AP BIOLOGY	<u>Lab 16:</u> Bacterial Transformation Calculating Transformation Efficiency Lab 16: Questions #9 – 14	**TEST** Chapters 13 – 18 Labs 12 – 16	<u>Lab 17:</u> Natural Selection Simulation	<u>Lab 22:</u> Artificial Selection Data Analysis	<u>Lab 22:</u> Artificial Selection Data Analysis
LAB				Test #4 Analysis	
HW	Lab 16 due tomorrow **TEST #4 TOMORROW** Work on Review Packets (on-line)	Read Lab 17	Lab 17 due tomorrow; Read Lab 22 (again)	Lab 22 due 2/26 Read Ch 25 (21); Question Set 37 (38 – 40);	Lab 22 due 2/26 Read Ch 25 (21); Question Set 37 (38 – 40);

	MONDAY February 19	TUESDAY February 20	WEDNESDAY February 21	THURSDAY February 22	FRIDAY February 23
AP BIOLOGY					
LAB					
HW					

	MONDAY February 26 Day 4	TUESDAY February 27 Day 5	WEDNESDAY February 28 Day 6	THURSDAY March 1 Day 1	FRIDAY March 2 Day 2
AP BIOLOGY	Lecture 037: History of Life on Earth Work on QS 37	Lecture 038: Darwin and Natural Selection Work on QS 38	Lecture 039: Evolution of Populations Work on QS 39	Lecture 040: Measuring Evolution Work on QS 40	<u>Lab 18:</u> Hardy-Weinberg Simulation 1
LAB					
HW	Read Ch 21.1; Question Set 38; EXTRA CREDIT 18 due tomorrow	Read Ch 21.2; Question Set 39;	Read Ch 21.3 – 21.5; Question Set 40; EXTRA CREDIT 24 due tomorrow	Read Ch 21; Question Set 40; EXTRA CREDIT 20 due tomorrow	Ch 21 online Quiz; Read Ch 22; Question Set 41; Lab 18 due tomorrow Read Lab 19 EXTRA CREDIT 21 due Monday

	MONDAY March 5 Day 3	TUESDAY March 6 Day 4	WEDNESDAY March 7 Day 5	THURSDAY March 8 Day 6	FRIDAY March 9 Day 1
AP BIOLOGY	Lecture 041: Evidence for Natural Selection & Phylogenetics Work on QS 41	<u>Lab 19:</u> Hardy-Weinberg Simulation 2	Lecture 041: Evidence for Natural Selection & Phylogenetics Work on QS 41	Lecture 042: Speciation Work on QS 42	<u>Lab 20:</u> Evolution and Phylogenetics
LAB				<u>Lab 20:</u> Cladogram Hypothesis	
HW	Read Ch 22; Question Set 41;	Read Ch 22; Question Set 41; Lab 19 due tomorrow EXTRA CREDIT 23 due tomorrow	Ch 22 online Quiz; Read Ch 23; Question Set 42; Read Lab 20 EXTRA CREDIT 22 due tomorrow	Ch 23 online Quiz; Complete Lab 20 HYPOTHESIS (Parts 1 and 2) EXTRA CREDIT 19 due tomorrow	Lab 21 due Monday; TEST #5 WEDNESDAY EXTRA CREDIT 25 due Monday

	MONDAY March 12 Day 2	TUESDAY March 13 Day 3	WEDNESDAY March 14 Day 4	THURSDAY March 15 Day 5	FRIDAY March 16 Day 6
AP BIOLOGY	<u>Lab 20:</u> Evolution and Phylogenetics	<u>Lab 21:</u> Comparing DNA Sequences to Understand Evolutionary Relationships Using BLAST	**TEST** Chapters 21 – 23, (25) Labs 17 – 22	Lecture 043: Homeostasis and Molecular Signaling Complete QS 43	Lecture 043: Homeostasis and Molecular Signaling (continued) Complete QS 43
LAB					<u>Lab 23:</u> Metabolic Rates
HW	Lab 20 due tomorrow; Read Lab 21 and complete pgs. 1 – 5 TEST #5 WEDNESDAY	Lab 21 due tomorrow; TEST #5 TOMORROW	Read Ch 40; Question Set 43;	Read Ch 40; Question Set 43; Read Lab 23	Ch 40 online Quiz; Read Ch 41; Question Set 44;

	MONDAY March 19 Day 1	TUESDAY March 20 Day 2	WEDNESDAY March 21 Day 3	THURSDAY March 22 Day 4	FRIDAY March 23
AP BIOLOGY	Lecture 044: Chemical Regulation Complete QS 44	Lecture 044: Chemical Regulation (continued) Work on QS 44	Lecture 045: Immune System Work on QS 45	Lecture 045: Immune System (continued) Work on QS 45	
LAB		<u>Lab 23:</u> Metabolic Rates		<u>Lab 23:</u> Metabolic Rates	
HW	Read Ch 41; Question Set 44;	Ch 41 online Quiz; Read Ch 42; Question Set 45;	Read Ch 42; Question Set 45;	Ch 42 online Quiz; Read Ch 43*/44*; Question Set 46; Lab 23 due Monday	

	MONDAY March 26 Day 5	TUESDAY March 27 Day 6	WEDNESDAY March 28 Day 1	THURSDAY March 29 Day 2	FRIDAY March 30
AP BIOLOGY	Lecture 046: Animal Reproduction and Development Work on QS 46	Lecture 046: Animal Reproduction and Development (continued) Work on QS 46	Lecture 047: Neurons and Nervous Systems Work on QS 47	Lecture 047: Neurons and Nervous Systems (continued) Work on QS 47	
LAB		Your Inner Fish		Review for QUIZ #6	
HW	Read Ch 43*/44*; Question Set 46; EXTRA CREDIT 26/27 due Tuesday	Ch 43/44 online Quiz; Read Ch 45; Question Set 47; EXTRA CREDIT 26/27 due tomorrow	Read Ch 45; Question Set 47 EXTRA CREDIT 28-30 due Monday 4/9	Ch 45 online Quiz; QUIZ #6 on 4/9 EXTRA CREDIT 28-30 due Monday 4/9	

	MONDAY April 2	TUESDAY April 3	WEDNESDAY April 4	THURSDAY April 5	FRIDAY April 6
AP BIOLOGY					
LAB					
HW					

	MONDAY April 9 Day 3	TUESDAY April 10 Day 4	WEDNESDAY April 11 Day 5	THURSDAY April 12 Day 6	FRIDAY April 13 Day 1
AP BIOLOGY	**QUIZ** Chapters 40 – 45	Lecture 048: Animal Behavior Complete QS 48	Lecture 049: Ecology Complete QS 49	Lecture 050: Population Ecology Complete QS 50	Lecture 050: Population Ecology (continued) Complete QS 50
LAB		QUIZ #6 Analysis		<u>Lab 24:</u> Transpiration (review the protocol)	
HW	Read Ch 53; Question Set 48;	Read Ch 54; Question Set 49;	Ch 54 online Quiz; Read Ch 55; Question Set 50; EXTRA CREDIT 31 due Monday	Prelab 24 due tomorrow Read Ch 55; Question Set 50; EXTRA CREDIT 31 due Monday	Ch 55 online Quiz; Read Ch 56*/57*; Question Set 51;

	MONDAY April 16 Day 2	TUESDAY April 17 Day 3	WEDNESDAY April 18 Day 4	THURSDAY April 19 Day 5	FRIDAY April 20 Day 6
AP BIOLOGY	<u>Lab 24:</u> Transpiration	<u>Lab 24:</u> Transpiration (write up help in computer lab)	Lecture 051: Community Ecology Work on QS 51	Lecture 051: Community Ecology Complete QS 51	Lecture 052: Global Ecology Complete QS 52
LAB			Eyes of Nye: Populations		Eyes of Nye: Global Climate Change
HW	Lab 24 due Friday Read Ch 54; Question Set 49;	Lab 24 due Friday	Lab 24 due Friday Read Ch 56*/57*; Question Set 51; EXTRA CREDIT 32–34 due Friday	Lab 24 due tomorrow Ch 56/57 online Quiz; Read Ch 58*/59*; Question Set 52; EXTRA CREDIT 32–34 due tomorrow	Ch 58/59 online Quiz; AP EXAM IS COMING… REVIEW!

	MONDAY April 23 Day 1	TUESDAY April 24 Day 2	WEDNESDAY April 25 Day 3	THURSDAY April 26 Day 4	FRIDAY April 27 Day 5
AP BIOLOGY	Going through PRACTICE TESTS	Going through PRACTICE TESTS	Going through PRACTICE TESTS	Going through PRACTICE TESTS	Going through PRACTICE TESTS
LAB					
HW	21 days until the AP EXAM **REVIEW!**	20 days until the AP EXAM **REVIEW!**	19 days until the AP EXAM **REVIEW!**	18 days until the AP EXAM **REVIEW!**	17 days until the AP EXAM **REVIEW!**

	MONDAY April 30 Day 6	TUESDAY May 1 Day 1	WEDNESDAY May 2 Day 2	THURSDAY May 3 Day 3	FRIDAY May 4 Day 4
AP BIOLOGY	AP BIO FINAL	Going over the Final Exam	AP BIO FINAL	Going over the Final Exam	Going through PRACTICE TESTS
LAB					
HW	14 days until the AP EXAM **REVIEW!**	13 days until the AP EXAM **REVIEW!**	12 days until the AP EXAM **REVIEW!**	11 days until the AP EXAM **REVIEW!**	10 days until the AP EXAM **REVIEW!**

	MONDAY May 7 Day 5	TUESDAY May 8 Day 6	WEDNESDAY May 9 Day 1	THURSDAY May 10 Day 2	FRIDAY May 11 Day 3
AP BIOLOGY	Going through PRACTICE TESTS	Going through PRACTICE TESTS	Going through PRACTICE TESTS	Going through PRACTICE TESTS	Working on Sheldon Shirts! 
LAB					
HW	7 days until the AP EXAM **REVIEW!**	6 days until the AP EXAM **REVIEW!**	5 days until the AP EXAM **REVIEW!**	4 days until the AP EXAM **REVIEW!**	3 days until the AP EXAM **REVIEW!**

	MONDAY May 14 Day 4	TUESDAY May 15 Day 5	WEDNESDAY May 16 Day 6	THURSDAY May 17 Day 1	FRIDAY May 18 Day 2
AP BIOLOGY	**GOOD LUCK**	Decompression, "Biology Movie" viewing, AP Survey and Discussion of our 4th Quarter Project			
LAB					
HW					