

	<b>MONDAY</b> September 2	<b>TUESDAY</b> September 3	<b>WEDNESDAY</b> September 4	<b>THURSDAY</b> September 5 Day 1	<b>FRIDAY</b> September 6 Day 2		
<b>A P B I O L O G Y</b>	<p>Over the summer students should have completed the following assignments that were e-mailed home (and also found on the class website <a href="http://www.goldiesroom.org">www.goldiesroom.org</a>:</p> <ol style="list-style-type: none"> <li>1. AP Biology Pre-Test</li> <li>2. Graphical and Statistical Analysis of Data w/ Excel</li> <li>3. Making Connections Lab – Redux</li> </ol> <p>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.</p> <p style="text-align: center;"><b>Get ready for the fun!</b></p>			<p>Introductions; Textbooks; Lecture 000: Welcome to AP/Student Expectations;</p>	<p>Lecture 001: Themes of Biology Work on QS 01</p>		
<b>L A B</b>							<p><u>Lab 22:</u> Artificial Selection (Generation 1 planting)</p>
<b>H W</b>							<p>Read Ch 1; Question Set 01; Read Lab 22, pages 2 – 3 ("planting guide")</p>

	<b>MONDAY</b> September 9 Day 3	<b>TUESDAY</b> September 10 Day 4	<b>WEDNESDAY</b> September 11 Day 5	<b>THURSDAY</b> September 12 Day 6	<b>FRIDAY</b> September 13 Day 1
<b>A P B I O L O G Y</b>	<b>Lab 01: Making Connections</b>  Part I – Doing Pre-Lab Questions; Rubric Grading	<b>Lab 01: Making Connections</b>  Part II – Carrying Out The Investigation; Section-by-Section Hints; Complete Lab Exemplars	<b>Lab 01: Making Connections</b>  Part III – Making Visual Representations of Data <b>GRAPHING!!!</b>	<b>Lecture 002: Chemistry Review Work on QS 02</b>	<b>Lecture 003: Properties of Water Work on QS 03</b>
<b>L A B</b>		Writing/Grading of Lab Reports: ex. <u>The Value of Animations in Biology Teaching</u>		<b>Lab 01 Write-Up Help</b>	
<b>H W</b>	<b>Prelab Questions for Lab 01 due tomorrow</b>	Read Ch 2.1 – 2.3; Question Set 02;	Read Ch 2.1 – 2.3; Question Set 02;	<b>Lab 01 due Monday</b> Read Ch 2.4; Question Set 03	<b>Lab 01 due Monday;</b> <b>LAB 03 QUESTION NEXT MONDAY</b> <b>Ch 2 online Quiz;</b> Read Lab 02 – Part I: Measurement, Accuracy, Precision, and Graphical Analysis

	<b>MONDAY</b> September 16 Day 2	<b>TUESDAY</b> September 17 Day 3	<b>WEDNESDAY</b> September 18 Day 4	<b>THURSDAY</b> September 19 Day 5	<b>FRIDAY</b> September 20 Day 6
<b>A P B I O L O G Y</b>	<b>LAB QUESTION</b>  <u>Lab 02:</u> Biology Lab Skills  Part I – Measurement, Accuracy, Precision, and Graphical Analysis	Lecture 004: Carbon Chemistry Work on QS 04	<u>Lab 02:</u> Biology Lab Skills  Part I – Measurement, Accuracy, Precision, and Graphical Analysis  (finish after school if you need to!)	Lecture 005: Proteins Work on QS 05	<u>Lab 02:</u> Biology Lab Skills  Part II – Inferential Statistics and the Chi- Square Analysis
<b>L A B</b>					
<b>H W</b>	Read Ch 3.1; Question Set 04; <b>EXTRA CREDIT 01</b> due Friday	Read Ch 3.2; Question Set 05;	Read Ch 3.2; Question Set 05; <b>Lab 02 (pg. 1 – 18)</b>	Read Ch 3.3; Question Set 06; Read Lab 02 – Part II: Inferential Statistics	Read Ch 3.3; Question Set 06; <b>Lab 02 (pg. 19 - 31)</b>

	<b>MONDAY</b> September 23 Day 1	<b>TUESDAY</b> September 24 Day 2	<b>WEDNESDAY</b> September 25 Day 3	<b>THURSDAY</b> September 26 Day 4	<b>FRIDAY</b> September 27 Day 5
<b>A P B I O L O G Y</b>	Lecture 006: Carbohydrates Work on QS 06	<u>Lab 02:</u> Biology Lab Skills  Part III - Basics of Spectrophotometry	Lecture 007: Lipids Work on QS 07	Lecture 008: Nucleic Acids Work on QS 08	<u>Lab 22:</u> Artificial Selection (counting trichomes)
<b>L A B</b>				<u>Lab 03:</u> Fruit Fly Behavior (Experimental Design)	
<b>H W</b>	Read Ch 3.4; Question Set 07; Read Lab 02 - Part III: Spectrophotometry	Lab 02 due Thursday; Read Ch 3.4; Question Set 07; Read Lab 03	Lab 02 due tomorrow; Ch 3 online Quiz; Read Ch 4 Question Set 08; Read Lab 03	Prelab for Lab 03 due tomorrow EXTRA CREDIT 02 due tomorrow	Ch 4 online Quiz; Descriptive Statistics/ Histogram for Lab 22; Bring "Test Items" for Lab 03

	<b>MONDAY</b> September 30 Day 6	<b>TUESDAY</b> October 1 Day 1	<b>WEDNESDAY</b> October 2 Day 2	<b>THURSDAY</b> October 3 Day 3	<b>FRIDAY</b> October 4
<b>A P B I O L O G Y</b>	<u>Lab 03:</u> Fruit Fly Behavior  <i>Drosophila melanogaster</i> Preferences	<u>Lab 03:</u> Fruit Fly Behavior  <i>Drosophila melanogaster</i> Preferences	Lecture 009: Introduction to Cells  Work on QS 09	Lecture 010: The Cell—Nucleus and Ribosomes  Work on Question Sets QS 10 - 13	
<b>L A B</b>			<u>Lab 04:</u> Diffusion & Osmosis (Testing Surface Area)		
<b>H W</b>	Read Ch 5.1 - 5.2; Question Set 09; Read Lab 04 - Part I	Read Ch 5.1 - 5.2; Question Set 09; <b>Lab 03 due Monday</b> Read Lab 04 - Part I	Read Ch 5.2 - 5.4; Question Set 10 - 13; <b>Lab 03 due Monday</b> <b>LAB 03 QUESTION NEXT MONDAY</b>	Read Ch 5.2 - 5.4; Question Set 10 - 13; <b>Lab 03 due Monday</b> <b>LAB 03 QUESTION NEXT MONDAY</b>	

	<b>MONDAY</b> October 7 Day 4	<b>TUESDAY</b> October 8 Day 5	<b>WEDNESDAY</b> October 9	<b>THURSDAY</b> October 10 Day 6	<b>FRIDAY</b> October 11 Day 1
<b>A P B I O L O G Y</b>	<b>LAB QUESTION</b> 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 014: Plasma Membrane Work on QS 14	Lecture 014: Transport Across the Membrane Work on QS 14
<b>L A B</b>	<u>Lab 04:</u> Diffusion & Osmosis (Testing Surface Area)			<u>Lab 04:</u> Diffusion & Osmosis (Reviewing $\Psi_w$ )	
<b>H W</b>	Read Ch 5.2 - 5.4; Question Set 10 - 13; Read Lab 04; <b>EXTRA CREDIT 03</b> due Thursday	<b>Ch 5 online Quiz;</b> Read Ch 6.1 - 6.5; Question Set 14; <b>EXTRA CREDIT 03</b> due Thursday		Read Chapter 6; Question Set 14;	Read Lab 04: PARTS II and III <b>Bring Apples!</b> <b>EXTRA CREDIT 04</b> due Monday

	<b>MONDAY</b> October 14	<b>TUESDAY</b> October 15      Day 2	<b>WEDNESDAY</b> October 16      Day 3	<b>THURSDAY</b> October 17      Day 4	<b>FRIDAY</b> October 18      Day 5
<b>A P B I O L O G Y</b>		<p><b>Lab 04:</b> Diffusion &amp; Osmosis</p> <p>Part II - Measuring Osmosis</p> <p>Part III - Procedure Demonstration</p>	<p>Lecture 014: Transport Across the Membrane Work on QS 14</p> <p>Lab 04 data collection</p>	<p><b>Lab 04:</b> Diffusion &amp; Osmosis</p> <p>Part III - How d'ya like 'dem Apples!</p>	<p>Lecture 014: Transport Across the Membrane Work on QS 14</p>
<b>L A B</b>					
<b>H W</b>		<p>Lab 04 - Part III prelab due tomorrow</p> <p>Lab 04 - Part II data due Thursday;</p> <p><b>EXTRA CREDIT 05</b> due Thursday</p>	<p>Lab 04 - Part II data due tomorrow;</p> <p><b>EXTRA CREDIT 05</b> due tomorrow</p>	<p>Read Chapter 6; Question Set 14;</p> <p>Lab 04 due Monday;</p> <p><b>LAB 04 QUESTION MONDAY</b></p>	<p><b>Ch 6 online Quiz;</b></p> <p>Lab 04 due Monday;</p> <p><b>LAB 04 QUESTION MONDAY</b></p>

	<b>MONDAY</b> October 21      Day 6	<b>TUESDAY</b> October 22      Day 1	<b>WEDNESDAY</b> October 23      Day 2	<b>THURSDAY</b> October 24      Day 3	<b>FRIDAY</b> October 25      Day 4
<b>A P B I O L O G Y</b>	<b>LAB QUESTION</b> Lecture 014: Transport Across the Membrane Work on QS 14	(Catch Up Day) Working on Review Packets	<b>TEST</b>  Chapters 1 – 6 Labs 1 – 4	Lecture 015: Energy and ATP  Work on QS 15	Lecture 016: Enzymes  Work on QS 16
<b>L A B</b>					<b>Test #1 <u>Analysis</u></b>
<b>H W</b>	<b>TEST #1 WEDNESDAY</b> Work on Review Packets (on-line)	<b>TEST #1 TOMORROW</b> 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;



	<b>MONDAY</b> October 28 Day 5	<b>TUESDAY</b> October 29 Day 6	<b>WEDNESDAY</b> October 30 Day 1	<b>THURSDAY</b> October 31 Day 2	<b>FRIDAY</b> November 1 Day 3
<b>A P B I O L O G Y</b>	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
<b>L A B</b>	start P generation (min. 4 tubes of wild)	<u>Lab 05:</u> Enzyme Activity (Experimental Design)			
<b>H W</b>	Read Ch 8.3 - 8.5; Question Set 16; Read Lab 05;	<b>Ch 8 online Quiz;</b>  <b>Prelab for Lab 05 due tomorrow</b>	<b>Lab 05 due Monday</b>	Read Ch 9.1; Question Set 17; <b>Lab 05 due Monday</b>	Read Ch 9.2 - 9.5; Question Set 18 - 20; <b>Lab 05 due Monday</b> <b>LAB 05 QUESTION MONDAY</b>

	<b>MONDAY</b> November 4 Day 4	<b>TUESDAY</b> November 5	<b>WEDNESDAY</b> November 6 Day 5	<b>THURSDAY</b> November 7 Day 6	<b>FRIDAY</b> November 8 Day 1
<b>A P B I O L O G Y</b>	<b>LAB QUESTION</b> Lecture 018: Glycolysis Work on Question Sets 18 - 20	<b>STAFF DAY</b>  start scallions and <i>Sordaria media</i>  isolate virgin flies	Lecture 019: Pyruvate Oxidation and Citric Acid Cycle  Work on Question Sets 18 - 20	Lecture 020: Electron Transport Chain  Work on Question Sets 18 - 20	Lecture 021: Regulation of Respiration  Work on QS 21
<b>L A B</b>				<b>Lab 06:</b> <b>Organismal Respiration</b> (‘Review’ of PV = nRT)	
<b>H W</b>	Read Ch 9.2 - 9.5; Question Set 18 - 20;		Read Ch 9.2 - 9.5; Question Set 18 - 20;	Read Ch 9.6; Question Set 21; Read Lab 06	<b>Ch 9 online Quiz;</b> Read Ch 9.6; Question Set 21; Read Lab 06

	<b>MONDAY</b> November 11	<b>TUESDAY</b> November 12 Day 2	<b>WEDNESDAY</b> November 13 Day 3	<b>THURSDAY</b> November 14 Day 4	<b>FRIDAY</b> November 15 Day 5
<b>A P B I O L O G Y</b>		<u>Lab 06:</u> Organismal Respiration  Baseline Temp Run	<u>Lab 06:</u> Organismal Respiration  Group Dynamics Using the Data	<u>Lab 06:</u> Organismal Respiration  Group Investigations	<u>Lab 06:</u> Organismal Respiration  Lab Writing Workshop
<b>L A B</b>			isolate virgin flies		isolate virgin flies
<b>H W</b>		Group must have Introduction Section of Lab Completed by Thursday;	Lab 06 due Sunday 11:59 PM	Lab 06 due Sunday 11:59 PM	Read Ch 10.1 - 10.3; Question Set 22 - 24;  Lab 06 due Sunday 11:59 PM

	<b>MONDAY</b> November 18 Day 6	<b>TUESDAY</b> November 19 Day 1	<b>WEDNESDAY</b> November 20 Day 2	<b>THURSDAY</b> November 21 Day 3	<b>FRIDAY</b> November 22 Day 4
<b>A P B I O L O G Y</b>	<b>LAB QUESTION</b> Lecture 022: Light Reactions of Photosynthesis  Work on Question Sets 22 - 23	<u>Lab 07:</u> Chromatography Techniques  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
<b>L A B</b>	<u>Lab 22:</u> Artificial Selection (Generation 2 planting)			P generation crossing	Working on Review Packets
<b>H W</b>	Read Ch 10.1 - 10.3; Question Set 22 - 23; Read 07 <b>EXTRA CREDIT 06</b> due Tuesday	Read Ch 10.1 - 10.3; Question Set 22 - 23;	Read Ch 10.1 - 10.3; Question Set 22 - 23; <b>Lab 07 due tomorrow</b>	Read Ch 10.4 - 10.5, 35.1 - 35.3; Question Set 24;	<b>Ch 10 online Quiz;</b> <b>TEST #2 TUESDAY</b>  Work on Review Packets (on-line)

	<b>MONDAY</b> November 25 Day 5	<b>TUESDAY</b> November 26 Day 6	<b>WEDNESDAY</b> November 27	<b>THURSDAY</b> November 28	<b>FRIDAY</b> November 29
<b>A P B I O L O G Y</b>	(Catch Up Day) Working on Review Packets	<b>TEST</b>  Chapters 6 – 8, 35 Labs 5 – 8?			
<b>L A B</b>				<i>Sordaria</i> culture start: P generation removal	
<b>H W</b>	<b>TEST #2 TOMORROW</b> Work on Review Packets (on-line)	<b>HAPPY THANKSGIVING!</b>			

	<b>MONDAY</b> December 2 Day 1	<b>TUESDAY</b> December 3 Day 2	<b>WEDNESDAY</b> December 4 Day 3	<b>THURSDAY</b> December 5 Day 4	<b>FRIDAY</b> December 6 Day 5
<b>A P B I O L O G Y</b>	Lecture 025: Feedback and Cell-to-Cell Communication Work on QS 25	Lecture 025: Feedback and Cell-to-Cell Communication Work on QS 25	Lecture 026: Cell Cycle Control Work on QS 26	Lecture 026: Cell Cycle Control Work on QS 26	Lecture 027: Phases of Mitosis Work on QS 27
<b>L A B</b>		Test #2 <u>Analysis</u>		<u>Lab 09:</u> Chi-Square Review	
<b>H W</b>	Read over Lecture Notes Question Set 25	<b>Ch XX online Quiz;</b> Read Lab 09 Read Chapter 11.1 - 11.2, 11.7; Question Set 26;	Read Lab 09; Read Chapter 11.1 - 11.2, 11.7; Question Set 26; <b>EXTRA CREDIT 07</b> due tomorrow	Read Lab 09; Read Ch 11.3; Question Set 27; <b>EXTRA CREDIT 08</b> due tomorrow	Read Lab 09; Read Ch 11.4 - 11.6; Question Set 28;

	<b>MONDAY</b> December 9 Day 6	<b>TUESDAY</b> December 10 Day 1	<b>WEDNESDAY</b> December 11 Day 2	<b>THURSDAY</b> December 12 Day 3	<b>FRIDAY</b> December 13 Day 4
<b>A P B I O L O G Y</b>	Lecture 028: Meiosis and Sexual Reproduction Work on QS 28	Lecture 028: Meiosis and Sexual Reproduction Work on QS 28	<u>Lab 09:</u> Cell Division  Determining the Effects of Lectin on Onion Root Tip Cells (procedure demo)	<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 <i>Sordaria fimicola</i> Recombination Frequency (procedure demo)
<b>L A B</b>	<u>Lab 22:</u> Artificial Selection (counting generation 2 trichomes)				
<b>H W</b>	Read Lab 09; Read Ch 11.4 – 11.6; Question Set 28;	Ch 11 online Quiz; Read Lab 09;		Lab 09 due Monday; Read Lab 10	Lab 10 due Monday; <b>LAB 09 &amp; 10 QUESTION NEXT WEDNESDAY</b>

	<b>MONDAY</b> December 16 Day 5	<b>TUESDAY</b> December 17 Day 6	<b>WEDNESDAY</b> December 18 Day 1	<b>THURSDAY</b> December 19 Day 2	<b>FRIDAY</b> December 20 Day 3
<b>A P B I O L O G Y</b>	<p><u>Lab 10:</u> Meiosis &amp; Tetrad Analysis <i>Sordaria fimicola</i> Recombination Frequency (continue collecting data after school if needed)</p>	<p><u>Lab 10:</u> Meiosis &amp; Tetrad Analysis <i>Sordaria fimicola</i> Recombination Frequency (continue collecting data after school if needed)</p>	<p><b>LAB QUESTION</b> Lecture 029: Mendel Work on Question Sets 29 - 30</p>	<p>Lecture 029: Mendel Work on Question Sets 29 - 30</p>	<p>Lecture 030: Probability &amp; Pedigrees Work on Question Sets 29 - 30</p>
<b>L A B</b>			F2 crossing	<p><u>Lab 11:</u> <i>Drosophila</i> Genetics (observing mutant)</p>	
<b>H W</b>	<p>Lab 10 due Wed; <b>LAB 09 &amp; 10 QUESTION WEDNESDAY</b></p>	<p>Lab 10 due tomorrow; <b>LAB 09 &amp; 10 QUESTION WEDNESDAY</b> Read Ch 12.1; Question Sets 29 - 30</p>	<p>Read Ch 12.1; Question Sets 29 - 30</p>	<p>Read Ch 12.1; Question Sets 29 - 30</p>	<p>Read Ch 12.2 - 12.6; Question Set 31</p>



	<b>MONDAY</b> December 23	<b>TUESDAY</b> December 24	<b>WEDNESDAY</b> December 25	<b>THURSDAY</b> December 26	<b>FRIDAY</b> December 27
<b>A P B I O L O G Y</b>					
<b>L A B</b>					
<b>H W</b>					

	<b>MONDAY</b> December 30	<b>TUESDAY</b> December 31	<b>WEDNESDAY</b> January 1	<b>THURSDAY</b> January 2	<b>FRIDAY</b> January 3
<b>A P B I O L O G Y</b>					
<b>L A B</b>					
<b>H W</b>					

	<b>MONDAY</b> January 6 Day 4	<b>TUESDAY</b> January 7 Day 5	<b>WEDNESDAY</b> January 8 Day 6	<b>THURSDAY</b> January 9 Day 1	<b>FRIDAY</b> January 10 Day 2
<b>A P B I O L O G Y</b>	Lecture 031: Beyond Mendel Work on QS 31	Lecture 031: Beyond Mendel Work on QS 31	Lecture 031: Beyond Mendel Work on QS 31	<u>Lab 11:</u> <i>Drosophila</i> Genetics (F <sub>2</sub> generation counting)	<u>Lab 11:</u> <i>Drosophila</i> Genetics (F <sub>2</sub> generation counting)  (Catch Up Day) Working on Review Packets
<b>L A B</b>	<u>Lab 11:</u> <i>Drosophila</i> Genetics (experimental design)		Working on Genetics Problems!		
<b>H W</b>	Read Ch 12.2 – 12.6; Question Set 31 Prelab for Lab 11 due Wednesday	Read Ch 12.2 – 12.6; Question Set 31; Prelab for Lab 11 due tomorrow	Ch 12 online Quiz; <b>TEST #3</b> <b>NEXT THURSDAY</b> Work on Review Packets (on-line)	<b>TEST #3</b> <b>NEXT THURSDAY</b> Work on Review Packets (on-line)	<b>TEST #3</b> <b>NEXT THURSDAY</b> Work on Review Packets (on-line)

	<b>MONDAY</b> January 13 Day 3	<b>TUESDAY</b> January 14 Day 4	<b>WEDNESDAY</b> January 15 Day 5	<b>THURSDAY</b> January 16 Day 6	<b>FRIDAY</b> January 17 Day 1
<b>A P B I O L O G Y</b>	<p><u>Lab 11:</u> <i>Drosophila</i> Genetics (F<sub>2</sub> generation counting)</p> <p>(Catch Up Day) Working on Review Packets</p>	<p><u>Lab 11:</u> <i>Drosophila</i> Genetics (F<sub>2</sub> generation counting)</p> <p>(Catch Up Day) Working on Review Packets</p>	<p><u>Lab 11:</u> <i>Drosophila</i> Genetics (F<sub>2</sub> generation counting)</p> <p>(Catch Up Day) Working on Review Packets</p>	<p><b>TEST</b></p> <p>Chapters 11 - 12</p> <p>Labs 9 - 11</p>	<p>(Catch Up Day) Working on Review Packets</p>
<b>L A B</b>		<p><u>Lab 11:</u> <i>Drosophila</i> Genetics (lab write up hints)</p>			
<b>H W</b>	<p><b>TEST #3</b> <b>THURSDAY</b></p> <p>Work on Review Packets (on-line)</p>	<p><b>TEST #3</b> <b>THURSDAY</b></p> <p>Work on Review Packets (on-line)</p>	<p><b>TEST #3</b> <b>TOMORROW</b></p> <p>Work on Review Packets (on-line)</p>		<p>Read Chapter 13; Question Set 32; Read Lab 12</p>

	<b>MONDAY</b> January 20	<b>TUESDAY</b> January 21	<b>WEDNESDAY</b> January 22	<b>THURSDAY</b> January 23	<b>FRIDAY</b> January 24
<b>A P  B I O L O G Y  L A B  H W</b>	<b>REGENTS WEEK – NO CLASSES</b>				

	<b>MONDAY</b> January 27 Day 1	<b>TUESDAY</b> January 28 Day 2	<b>WEDNESDAY</b> January 29 Day 3	<b>THURSDAY</b> January 30 Day 4	<b>FRIDAY</b> January 31 Day 5
<b>A P B I O L O G Y</b>	Lecture 032: The Structure and Function of DNA (history/structure) Work on QS 32	Lecture 032: The Structure and Function of DNA (replication) Work on QS 32	Lecture 032: The Structure and Function of DNA (telomeres) Work on QS 32	Lecture 032: The Structure and Function of DNA (PCR) Work on QS 32	Lecture 033: From DNA to Protein (RNA) Work on QS 33
<b>L A B</b>		<u>Lab 12:</u> <i>Drosophila</i> Genotyping Using PCR (PART I - isolate DNA)		<u>Lab 12:</u> <i>Drosophila</i> Genotyping Using PCR (PART II - amplify DNA)	
<b>H W</b>	Read Chapter 13; Question Set 32; Read Lab 12; <b>EXTRA CREDIT 10</b> <b>due tomorrow</b>	Read Chapter 13; Question Set 32; Read Lab 12; <b>EXTRA CREDIT 10</b> <b>due Wednesday</b>	Read Chapter 13; Question Set 32; Read Lab 12;	<b>Ch 13 online Quiz;</b> Read Chapter 14; Question Set 33;	Read Chapter 14; Question Set 33; <b>Lab 12 due Monday</b>

	<b>MONDAY</b> February 3 Day 6	<b>TUESDAY</b> February 4 Day 1	<b>WEDNESDAY</b> February 5 Day 2	<b>THURSDAY</b> February 6 Day 3	<b>FRIDAY</b> February 7 Day 4
<b>A P B I O L O G Y</b>	Lecture 033: From DNA to Protein (transcription) Work on QS 33	Lecture 033: From DNA to Protein (translation) Work on QS 33	<u>Lab 12:</u> <i>Drosophila</i> Genotyping Using PCR  (PARTS III & IV- electrophoresis & analysis of DNA fragments)	Lecture 034: Mutations Work on QS 34	Lecture 034: Mutations Work on QS 34
<b>L A B</b>	Review of Gel Electrophoresis				<u>Lab 13:</u> Restriction Enzyme Simulation
<b>H W</b>	Read Chapter 14; Question Set 33; <b>EXTRA CREDIT 11</b> due Wednesday	<b>Ch 14 online Quiz;</b> Read Chapter 14; Question Set 33; <b>EXTRA CREDIT 11</b> due Wednesday	Read Ch 15.1 - 15.2; Question Set 34 <b>Lab 12 due tomorrow</b>	Read Ch 15.3; Question Set 34; Read Lab 13; <b>EXTRA CREDIT 13</b> due tomorrow	<b>Ch 15 online Quiz;</b> <b>Lab 13 due Monday</b> Read Lab 14 <b>EXTRA CREDIT 09</b> due Monday

	<b>MONDAY</b> February 10 Day 5	<b>TUESDAY</b> February 11 Day 6	<b>WEDNESDAY</b> February 12 Day 1	<b>THURSDAY</b> February 13 Day 2	<b>FRIDAY</b> February 14 Day 3
<b>A P B I O L O G Y</b>	<p><u>Lab 14:</u> DNA Restriction Analysis</p> <p>Perform Restriction Digest of <math>\lambda</math> DNA</p>	<p><u>Lab 14:</u> DNA Restriction Analysis</p> <p>Separate <math>\lambda</math> DNA Fragments via Gel Electrophoresis</p>	<p>Lecture 035: Regulation of Gene Expression Work on QS 35</p>	<p>Lecture 035: Regulation of Gene Expression Work on QS 35</p>	<p>Lecture 035: Regulation of Gene Expression Work on QS 35</p>
<b>L A B</b>		<p>Lab 14: Questions #7 - 13</p>		<p>Video - Viruses</p>	
<b>H W</b>	<p>Lab 14: Complete Questions #1 - 6</p>	<p>Lab 14 due tomorrow; Read Chapter 16.1; Question Set 35;</p>	<p>Question Set 35; <b>EXTRA CREDIT 12 due Thursday</b></p>	<p>Question Set 35; <b>EXTRA CREDIT 12 due Thursday</b></p>	



	<b>MONDAY</b> February 17	<b>TUESDAY</b> February 18	<b>WEDNESDAY</b> February 19	<b>THURSDAY</b> February 20	<b>FRIDAY</b> February 21
<b>A P B I O L O G Y</b>					
<b>L A B</b>					
<b>H W</b>					

	<b>MONDAY</b> February 24 Day 4	<b>TUESDAY</b> February 25 Day 5	<b>WEDNESDAY</b> February 26 Day 6	<b>THURSDAY</b> February 27 Day 1	<b>FRIDAY</b> February 28 Day 2
<b>A P B I O L O G Y</b>	Lecture 035: Regulation of Gene Expression Work on QS 35	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 Questions #1 - 4	<u>Lab 16:</u> Bacterial Transformation Transformation of <i>E.coli</i> HB101 with pGLO Questions #1 - 8
<b>L A B</b>	Video - RNAi		<u>Lab 15:</u> Engineering a Plasmid Simulation		
<b>H W</b>	Ch 16 online Quiz; Question Set 36; EXTRA CREDIT 14-17 due Thursday	Question Set 36; EXTRA CREDIT 14-17 due Thursday	Lab 15 due tomorrow; Question Set 36; EXTRA CREDIT 14-17 due Thursday	Ch 17/18 online Quiz; Read Lab 16	<b>TEST #4</b> <b>TUESDAY</b> Work on Review Packets (on-line)

	<b>MONDAY</b> March 2 Day 3	<b>TUESDAY</b> March 3 Day 4	<b>WEDNESDAY</b> March 4 Day 5	<b>THURSDAY</b> March 5 Day 6	<b>FRIDAY</b> March 6 Day 1
<b>A P B I O L O G Y</b>	<u>Lab 16:</u> Bacterial Transformation Calculating Transformation Efficiency Lab 16: Questions #9 - 14	<b>TEST</b> 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
<b>L A B</b>				Test #4 Analysis	
<b>H W</b>	Lab 16 due tomorrow <b>TEST #4 TUESDAY</b> Work on Review Packets (on-line)	Read Lab 17 Read Lab 22 (again)	Lab 17 due tomorrow	Lab 22 due Monday Read Ch 25 (21); Question Set 37 (38 - 40);	Lab 22 due Monday Read Ch 25 (21); Question Set 37 (38 - 40); <b>LAB 22 QUESTION MONDAY</b>

	<b>MONDAY</b> March 9 Day 2	<b>TUESDAY</b> March 10 Day 3	<b>WEDNESDAY</b> March 11 Day 4	<b>THURSDAY</b> March 12 Day 5	<b>FRIDAY</b> March 13 Day 6
<b>A P B I O L O G Y</b>	<b>LAB QUESTION</b> 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  Practice H-W Problems	<u>Lab 18:</u> Hardy-Weinberg Simulation 1
<b>L A B</b>			Practice H-W Problems		
<b>H W</b>	Read Ch 21.1; Question Set 38;  <b>EXTRA CREDIT 18</b> due tomorrow	Read Ch 21.2; Question Set 39;	Read Ch 21.3 – 21.5; Question Set 40;  <b>EXTRA CREDIT 24</b> due tomorrow	Read Ch 21; Question Set 40;  <b>EXTRA CREDIT 20</b> due tomorrow	<b>Ch 21 online Quiz</b> <b>Lab 18 due Monday</b> Read Ch 22; Question Set 41;

	<b>MONDAY</b> March 16 Day 1	<b>TUESDAY</b> March 17 Day 2	<b>WEDNESDAY</b> March 18 Day 3	<b>THURSDAY</b> March 19 Day 4	<b>FRIDAY</b> March 20 Day 5
<b>A P B I O L O G Y</b>	Lecture 041: Evidence for Natural Selection & Phylogenetics (PART I) Work on QS 41	<u>Lab 19:</u> Hardy-Weinberg Simulation 2	Lecture 041: Evidence for Natural Selection & Phylogenetics (PART II) Work on QS 41	Lecture 041: Evidence for Natural Selection & Phylogenetics (PART III) Work on QS 41	Lecture 042: Speciation Work on QS 42
<b>L A B</b>				<u>Lab 20:</u> Evolution and Phylogenetics Cladogram Hypothesis	
<b>H W</b>	Read Ch 19; Question Set 41; <b>EXTRA CREDIT 21</b> due tomorrow	<b>Lab 19 due tomorrow</b> Read Ch 22; Question Set 41; <b>EXTRA CREDIT 23</b> due tomorrow	Read Ch 22; Question Set 41;	<b>Ch 22 online Quiz;</b> Read Ch 23; Question Set 42; Read Lab 20 <b>EXTRA CREDIT 22</b> due Monday	<b>Ch 23 online Quiz;</b> <b>Lab 20 Hypothesis</b> due Monday Read Lab 21 <b>EXTRA CREDIT 19</b> due Tuesday

	<b>MONDAY</b> March 23 Day 6	<b>TUESDAY</b> March 24 Day 1	<b>WEDNESDAY</b> March 25 Day 2	<b>THURSDAY</b> March 26 Day 3	<b>FRIDAY</b> March 27 Day 4
<b>A P B I O L O G Y</b>	<u>Lab 20:</u> Evolution and Phylogenetics	<u>Lab 20:</u> Evolution and Phylogenetics	<u>Lab 21:</u> Comparing DNA Sequences to Understand Evolutionary Relationships Using BLAST	(Catch Up Day) Working on Review Packets	<b>TEST</b>  Chapters 21 - 23, (25)  Labs 17 - 22
<b>L A B</b>					
<b>H W</b>	Lab 20 due Wednesday; Read Lab 21 and complete pgs. 1 - 5 <b>TEST #5 FRIDAY</b>	Lab 20 due tomorrow; Read Lab 21 and complete pgs. 1 - 5 <b>TEST #5 FRIDAY</b>	Lab 21 due Friday; <b>EXTRA CREDIT 25 due tomorrow</b> <b>TEST #5 FRIDAY</b>	Lab 21 due tomorrow; <b>TEST #5 TOMORROW</b>	


	<b>MONDAY</b> March 30 Day 5	<b>TUESDAY</b> March 31 Day 6	<b>WEDNESDAY</b> April 1 Day 1	<b>THURSDAY</b> April 2 Day 2	<b>FRIDAY</b> April 3 Day 3
<b>A P B I O L O G Y</b>	Lecture 043: The Extended Phenotype Complete QS 43	Lecture 044: Ecology Complete QS 44	Lecture 045: Population Ecology Complete QS 45	Lecture 045: Population Ecology (continued) Complete QS 45	Lecture 046: Community Ecology Work on QS 46
<b>L A B</b>		Your Inner Fish		Eyes of Nye: Populations	
<b>H W</b>	Read Ch 54; Question Set 44;	<b>Ch 54 online Quiz;</b> Read Ch 55; Question Set 45; <b>EXTRA CREDIT 31</b> due tomorrow	Read Ch 55; Question Set 45;	<b>Ch 55 online Quiz;</b> Read Ch 56*/57*; Question Set 46;	Read Ch 56*/57*; Question Set 46; <b>EXTRA CREDIT 32</b> due tomorrow

	<b>MONDAY</b> April 6 Day 4	<b>TUESDAY</b> April 7 Day 5	<b>WEDNESDAY</b> April 8 Day 6	<b>THURSDAY</b> April 9 Day 1	<b>FRIDAY</b> April 10
<b>A P B I O L O G Y</b>	Lecture 046: Community Ecology Complete QS 46	Lecture 047: Global Ecology Complete QS 52	Chasing Ice	<b>AP EXAM IS COMING... REVIEW!</b>	
<b>L A B</b>	Eyes of Nye: Global Climate Change				
<b>H W</b>	Ch 56/57 online Quiz; Read Ch 58*/59*; Question Set 47; <b>EXTRA CREDIT 33 due tomorrow</b>	Ch 58/59 online Quiz;  <b>EXTRA CREDIT 34 due Monday</b>		Work on Practice Exam over Spring Break!	



	<b>MONDAY</b> April 20 Day 2	<b>TUESDAY</b> April 21 Day 3	<b>WEDNESDAY</b> April 22 Day 4	<b>THURSDAY</b> April 23 Day 5	<b>FRIDAY</b> April 24 Day 6
<b>A P B I O L O G Y</b>	Going through <b>PRACTICE TESTS</b>	Going through <b>PRACTICE TESTS</b>	Going through <b>PRACTICE TESTS</b>	Going through <b>PRACTICE TESTS</b>	Going through <b>PRACTICE TESTS</b>
<b>L A B</b>					
<b>H W</b>	<b>21 days until the AP EXAM REVIEW!</b>	<b>20 days until the AP EXAM REVIEW!</b>	<b>19 days until the AP EXAM REVIEW!</b>	<b>18 days until the AP EXAM REVIEW!</b>	<b>17 days until the AP EXAM REVIEW!</b>

	<b>MONDAY</b> April 27 Day 1	<b>TUESDAY</b> April 28 Day 2	<b>WEDNESDAY</b> April 29 Day 3	<b>THURSDAY</b> April 30 Day 4	<b>FRIDAY</b> May 1 Day 5
<b>A P B I O L O G Y</b>	Going through PRACTICE TESTS	<b>AP BIO FINAL</b>	Going over the Final Exam	<b>AP BIO FINAL</b>	Going over the Final Exam
<b>L A B</b>					
<b>H W</b>	14 days until the AP EXAM <b>REVIEW!</b>	13 days until the AP EXAM <b>REVIEW!</b>	12 days until the AP EXAM <b>REVIEW!</b>	11 days until the AP EXAM <b>REVIEW!</b>	10 days until the AP EXAM <b>REVIEW!</b>

	<b>MONDAY</b> May 4 Day 6	<b>TUESDAY</b> May 5 Day 1	<b>WEDNESDAY</b> May 6 Day 2	<b>THURSDAY</b> May 7 Day 3	<b>FRIDAY</b> May 8 Day 4
<b>A P B I O L O G Y</b>	Going through <b>PRACTICE TESTS</b>	Going through <b>PRACTICE TESTS</b>	Working on Sheldon Shirts!  	Going through <b>PRACTICE TESTS</b>	<b>TAKE A DEEP, DEEP BREATH!!!</b>
<b>L A B</b>					
<b>H W</b>	<b>7 days until the AP EXAM REVIEW!</b>	<b>6 days until the AP EXAM REVIEW!</b>	<b>5 days until the AP EXAM REVIEW!</b>	<b>4 days until the AP EXAM REVIEW!</b>	<b>3 days until the AP EXAM REVIEW!</b>



	<b>MONDAY</b> May 11 Day 5	<b>TUESDAY</b> May 12 Day 6	<b>WEDNESDAY</b> May 13 Day 1	<b>THURSDAY</b> May 14 Day 2	<b>FRIDAY</b> May 15 Day 3
<b>A P B I O L O G Y</b>	<b>GOOD LUCK</b>	<b>Decompression, AP Survey and Discussion of our 4<sup>th</sup> Quarter Project</b>			