

PRE-AP BIOLOGY CALENDAR 2019

ABSTRACTS: [Directions and Links](#)

EVOLUTION

<u>Dec 16 - 20</u>	Links & Class Assignments	Homework
Monday	- Finish Crosses	- Genetic Check Off Sheet
Tuesday	- Movie DAY!!!	- Read Through Lab - Watch Gel Electrophoresis - Do Pre-Lab Questions
Wednesday	- Genetic Protocol / PTC Gel Electrophoresis	- Study For Test
Thursday	- Genetics Test - Begin Taxonomy / Classification Mobile If you have a hard time taking BILL notes from Videos use these guiding resources - #1 - Crash Course Quizlet - #2 - Crash Course Guiding Ques Document	- Taxonomy Notes / Crash Course Video - Dichotomous Key Notes - After Taking Notes on a NEW Page - In BILL Write Dichotomous Key & #1-20 (Follow this Key to Classify The Aliens - Write the name of the Alien that matches the #)
Friday	Finish Classification Mobiles!!	HAVE A GREAT VACATION

Christmas Vacation December 21st - January 2



Jan 2 & 3rd

Thursday	- Comparative Anatomy Dissections - Human Systems - Show Classification Mobiles	-
Friday	Evolution Overview - Population World Clock - Evolution Slideshow - Woolybooger Adaptation Activity	(Study Guides For Test) - Evolution Quizlet - Quizlet for Taxonomy

Jan 6th - 10th**Links & Class Assignments****Homework**

Monday	- Taxonomy Notes & Show Classification Mobiles - Take video notes / Highlight notes	(Study Guides For Test) - Evolution Quizlet - Quizlet for Taxonomy
Tuesday (early release)	- Natural Selection Lab (Student Copy on Classroom) - Read Lab and Complete Part I pg 1-3 questions #1-8	Work on Bill Note Videos over the next week - Work on BILL Video Notes - Finish Pre Lab before tomorrow
Wednesday	- Natural Selection Lab Activity	- Finish Natural Selection Lab Turn in on Classrooms Due Friday
Thursday	- Comparative Anatomy Phylum Mollusca - Evolution Notes	-
Friday	- Evolution/Taxonomy Notes - Natural Selection Lab Due on Classroom by 8pm	-

Jan 13th - 17th**Links & Class Assignments****Homework**

Monday	- Cladogram Worksheet - Bill Notes Due	-
Tuesday	- Population Genetics	-
Wednesday	- Review	-
Thursday	- TEST OVER EVOLUTION & TAXONOMY	
Friday	- Cellular Respiration/Photosynthesis	- Do Cellular Respiration & Photosynthesis Worksheets if you didn't finish in class.

Jan 20 - 23**Links & Class Assignments****Homework**

Monday	- No School	- Study for Final
Tuesday	- Study Games/ Work on Notecard	-
Wednesday	- Exams	-
Thursday	- Exams	
Friday	- HS Intersession	-

Evolution

March 11-15 Links & Class Assignments Homework

Monday	- Take Quizzes - Work on Test Assessment OR Alternate Assessment if you have time	Study to take assessment quizzes
Tuesday	- Take Quizzes - Work on Test Assessment OR Alternate Assessment if you have time	Finish AP Osmosis Lab - Due Wednesday
Wednesday	Tentative Assessment Due Date - Lab Due - Finish any quizzes	
Thursday	Continue Assessments - Tests taken today	Evolution Overview Read through webpage
Friday	Go over Evolution Notes - Work on BILL Video Notes	Don't Forget Abstract

March 18-22 Links & Class Assignments Homework

Monday	Evolution Overview - Hand Adaptation Activity - Population World Clock	Do Lamark or Darwin Hw worksheet - Evolution Slideshow
Tuesday	SAP 40 min - Natural Selection Lab (Student Copy on Classroom) - Read Lab and Complete Part I pg 1-3 questions #1-8 - Woolybooger Adaptation Activity	Work on Bill Note Videos over the next week - Work on BILL Video Notes
Wednesday	- Take video notes and read over lab	
Thursday	- Natural Selection Lab Activity	
Friday	- Notes and finish Natural Selection Lab - Go over Class Data	No Abstract Due This Weekend Lab Due Monday!!

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March 25-29	Links & Class Assignments	Homework
Monday	- Natural Selection Lab Due - Finish Evolution Notes - WS Phylogenetic Tree	Study for Quiz 1 - People and Darwin vs. Lamark theories - WS Speciation
Tuesday	Quiz 1 Evolution - BLAST For Beginners - Darwins Darkest Hour	- Study for Quiz 2 Know - <i>Darwin, Lamark, Malthus, Hutton, Aristotle, Divergent Evolution, Natural Selection, Homologous Structures, Embryological Development</i>
Wednesday	- Quiz 2 Evolution - Finish Darwins Darkest Hour	- Natural Selection & Speciation WS
Thursday	PSAT???	
Friday	- Gone on Sophmore FT History	<i>End of the Qtr!!</i> No Abstract Due This Weekend

April 1 - 5	Links & Class Assignments	Homework
Monday	- Population Genetics Notes - Population Simulation Activity	- Evolution Quizlet
Tuesday	- Genetic Drift - Class cut short due to Assembly	Put Notes -microevolution & Taxonomy in BILL
Wednesday	- Recap Evolution - Begin Taxonomy / Classification Mobile	-Take Notes in BILL over Speciation Video - In BILL Write Dichotomous Key & #1-20 (Follow this Key to Classify The Aliens - Write the name of the Alien that matches the #)
Thursday	- Early Release -Taxonomy Notes / Crash Course Video	
Friday	- Comparative Anatomy Phylum Mollusca Dissection	Don't Forget Abstract DUE SUNDAY

April 8 - 12	Links & Class Assignments	Homework
Monday	- YLTA Conference Gone - Go over Phylums & Classes	- Classification Video if confused - Practice Taxonomy WS
Tuesday	-Comparative Anatomy Phylum Arthropoda, Class Osteichthyes, Class Reptilia	- Quizlet for Taxonomy - Study for Quiz

Wednesday	- Quiz over Taxonomy	- Study
Thursday	- Review	- Study
Friday	TEST OVER EVOLUTION & TAXONOMY - Read pg 162-167 & highlight terms and information you know or are familiar with.	No Abstract Due This Weekend - Tape notes in BILL & make sure to leave space on the sides to take notes

[Duckweed Teaching Notes](#)

Sept 23-27	Links & Class Assignments	Homework
Monday	- ADVISORY MOUNTAIN DAY!!	-
Tuesday	- Biogeochemical Cycles	- Take Notes in BILL over the following - Watch Bioflix Cellular Respiration - Watch Amoeba Sisters Cellular Respiration &/OR - Read This
Wednesday	- Cycles Presentations - Ecosystems/Biomass/Slide Show - WS 1 Predictions - Biomass Simulation - Challenge Simulation Notes - If Time - WS 2 Meadow Simulation - Food Chain	- Biomass Worksheet (Terrestrial Food Web)
Thursday	-	-
Friday	-	-

June 3 - 7	Links & Class Assignments	Homework
Monday	- Ecosystems/Ecological Succession - Duckweed Biomass Overview - BIOMASS DUCKWEED	- Duckweed Student Sheet 1 - Duckweed Student Sheet 2
Tuesday	- Ecological Succession/Biomass	-
Wednesday	- Ecosystems/Biomass/Cycles - ADVISORY PICNIC DAY	- White Rabbit Biofeedback if we have time.

Thursday	- Final Exam Review	Class Day
Friday	- Final Exam Review	- Graduation

Evolution

March 11-15

Links & Class Assignments

Homework

Monday	- Take Quizzes -Work on Test Assessment OR Alternate Assessment if you have time	Study to take assessment quizzes
Tuesday	Take Quizzes -Work on Test Assessment OR Alternate Assessment if you have time	Finish AP Osmosis Lab - Due Wednesday
Wednesday	Tentative Assessment Due Date - Lab Due - Finish any quizzes	
Thursday	Continue Assessments - Tests taken today	Evolution Overview Read through webpage
Friday	Go over Evolution Notes - Work on BILL Video Notes	Don't Forget Abstract

March 18-22

Links & Class Assignments

Homework

Monday	Evolution Overview - Hand Adaptation Activity - Population World Clock	Do Lamark or Darwin Hw worksheet - Evolution Slideshow
Tuesday	SAP 40 min - Natural Selection Lab (Student Copy on Classroom) - Read Lab and Complete Part I pg 1-3 questions #1-8 - Woolybooger Adaptation Activity	Work on Bill Note Videos over the next week - Work on BILL Video Notes
Wednesday	- Take video notes and read over lab	
Thursday	- Natural Selection Lab Activity	
Friday	- Notes and finish Natural Selection Lab - Go over Class Data	No Abstract Due This Weekend Lab Due Monday!!

March 25-29

Links & Class Assignments

Homework

Monday	- Natural Selection Lab Due - Finish Evolution Notes - WS Phylogenetic Tree	Study for Quiz 1 - People and Darwin vs. Lamark theories - WS Speciation
Tuesday	Quiz 1 Evolution - BLAST For Beginners - Darwins Darkest Hour	- Study for Quiz 2 Know - <i>Darwin, Lamark, Malthus, Hutton, Aristotle, Divergent Evolution, Natural Selection, Homologous Structures, Embryological Development</i>
Wednesday	- Quiz 2 Evolution - Finish Darwins Darkest Hour	- Natural Selection & Speciation WS
Thursday	PSAT???	
Friday	- Gone on Sophmore FT History	<i>End of the Qtr!!</i> No Abstract Due This Weekend

April 1 - 5

Links & Class Assignments

Homework

Monday	- Population Genetics Notes - Population Simulation Activity	- Evolution Quizlet
Tuesday	- Genetic Drift - Class cut short due to Assembly	Put Notes -microevolution & Taxonomy in BILL
Wednesday	- Recap Evolution - Begin Taxonomy / Classification Mobile	-Take Notes in BILL over Speciation Video - In BILL Write Dichotomous Key & #1-20 (Follow this Key to Classify The Aliens - Write the name of the Alien that matches the #)
Thursday	- Early Release -Taxonomy Notes / Crash Course Video	
Friday	- Comparative Anatomy Phylum Mollusca Dissection	Don't Forget Abstract DUE SUNDAY

April 8 - 12

Links & Class Assignments

Homework

Monday	- YLTA Conference Gone - Go over Phylums & Classes	- Classification Video if confused - Practice Taxonomy WS
Tuesday	-Comparative Anatomy Phylum Arthropoda, Class Osteichthyes, Class Reptilia	- Quizlet for Taxonomy - Study for Quiz
Wednesday	- Quiz over Taxonomy	- Study
Thursday	- Review	- Study

Friday	TEST OVER EVOLUTION & TAXONOMY - Read pg 162-167 & highlight terms and information you know or are familiar with.	No Abstract Due This Weekend - Tape notes in BILL & make sure to leave space on the sides to take notes
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Start 2019-2020

Cell Chemistry

Aug 28-30

Links & Class Assignments

Homework

Monday		
Tuesday		
Wednesday	• Hand Out Notes For Chemistry Of Life, Class Needs & Expectations • Go Over How to Take Note In Your BILL • See Website • Discuss Abstracts & Points For The Semester	-Get Composition Notebook -Bookmark Wadesworld Website For Assignments & Calendar -Get Signed - Safety contract -Read over Carbohydrate Notes & Tape Into BILL
Thursday	• Go over Carbohydrates Notes & Start Can You Catch More Fish With Fluorescent Lures? • Check understanding of Independent, Dependent & Control Variables	- Read over Carbohydrate Notes
Friday	• Work on Lure Lab Write Up • Finish Lab & Lab Report -Hand in BILLS • Hand out Notes for Lipids • Go Over Carbohydrate Notes	Have a Great Long Weekend!! • Read Over & Tape Lipid Notes in BILL • If you need it/want it: Chemistry of Life Slide Show

Sept 3-6

Links & Class Assignments

Homework

Monday	No School	
Tuesday	• Finish Going over CHO Notes • Read over Carbohydrate Lab & Get stuff for set up • Do Your 1st Abstract This Week ABSTRACTS: Directions and Links	• Protein Notes Take Notes in BILL over Protein Structures (Due Friday)
Wednesday	• CARBOHYDRATE LAB	- Try Notes On Your Own: Protein Notes Take Notes in BILL over Protein Structures - Tape in (If you want to copy/type your notes on the Picture document below then print out and tape in that is fine too). - Protein Structure pictures and take notes around them
Thursday	-Finish Lab if you need time OR - Work on Protein Notes - Go over notes on Lipids	- Lab due Friday
Friday	• Understanding CHO, PRO, Lipids • Work on Worksheets • Lab & Protein Notes Due	- Finish Worksheets if you didn't finish them in class - DON'T FORGET YOUR ABSTRACT DUE SATURDAY!!!

Sept 9-13	Links & Class Assignments	Homework
Monday	NO ABSTRACT DUE THIS WEEK!! Quiz 1 over Carbohydrates Go over Protein Notes	Study for Quiz
Tuesday	Quiz 2 over Protein - Go over lipid notes	Study for Quiz - Video help: Protein Folding Video
Wednesday	Quiz 3 over Lipids - Do review worksheets	- Finish Worksheets
Thursday	- Enzyme & Metabolism Slide Show - Extra Slide Notes: Biochemistry - Possible Alternate Assessment Ideas if NOT taking the Test	- Enzyme Worksheet - Extra Slide Notes If You Don't Understand - Read Over & Tape Enzyme Notes in BILL
Friday	- Enzyme Worksheet DUE Mon - Go Over Enzyme Lab : Enzyme Toothpickase Lab Extra Videos for Understanding - Why Organic Chemistry Makes Food Taste Good! - Biological Molecules - You Are What You Eat: - Quiz Carb Quiz: Did you know?? - Just for FUN FACTS Quiz	- Enzyme help if you are not understanding!! EASY READ 1/ EASY READ 2 / MORE IN DEPTH - We will finish lab on Monday

Sept 16-20	Links & Class Assignments	Homework
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Monday	• Finish Enzyme Lab (Enzyme Lab Graph Example) & Go Over Results • Enzyme WS Due	- Study for Quiz over Proteins & Enzymes
Tuesday	- Begin AP Enzyme Lab	- Enzyme & Cellular Energy Quizlet - Protein & Enzymes
Wednesday	- Protein & Enzyme Quiz - Finish AP Enzyme Lab	- General Quiz Practice over Scientific Method, Carbohydrates, Lipids & Proteins
Thursday	- Study/Review Games Day - Practice if you need it/want it: Review Worksheet Practice & Answer Sheet	-
Friday	• TEST OVER CHO, Proteins, Lipids & Enzymes	- DON'T FORGET ABOUT THE ABSTRACT!!

Sep 23-27	Links & Class Assignments	Homework
Monday	- ADVISORY MOUNTAIN DAY!!	-
Tuesday	- Go Over Ecological Assessment - Ecological Learning Assessment -	-
Wednesday	- Biogeochemical Cycles	-
Thursday	- Cycles Presentations Work	- Finish Cycle Presentation
Friday	- Present Cycles - Ecosystem Overview	- No ABSTRACT DUE THIS WEEK!!

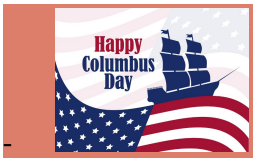
Sep 30 - Oct 4	Links & Class Assignments	Homework
Monday	- Ecological Assessment - Ecological Learning Assessment	- Work on Alternate Assessments
Tuesday	- Work on Assessment	-
Wednesday	- Work on Assessment	-

Thursday	- Work on Assessment	-
Friday	- Random Sample Lab	- No ABSTRACT DUE THIS WEEK!!

Oct 7 - 11 Links & Class Assignments Homework

Monday	- Finish Lab/ assessment work when finished	- Work on Alternate Assessments
Tuesday	- Work on Assessment - Ecological Assessment - Ecological Learning Assessment	- ALTERNATE ASSESSMENTS DUE OCT. 15TH. - Wade Gone AP Field Trip
Wednesday	- Work on Assessment Everyone needs to take these quizzes before the assessment days 1. Energy Flow in the Ecosystems Quiz 2. Organisms in their environments Quiz (Symbiosis) 3. Population Ecology/Food Chain Quiz	- Wade Gone AP Field Trip
Thursday	- Succession Worksheet / Notes	-
Friday	- NO SCHOOL - INSERVICE DAY	- No ABSTRACT DUE THIS WEEK! - Enjoy your long weekend

Oct 14 -18 Links & Class Assignments Homework

Monday	- NO SCHOOL COLUMBUS DAY	
Tuesday	- Assessment Day 1 - Videos Present / Book Present	-
Wednesday	- Assessment Day 2 - Test / Slide Presentation / Game	-
Thursday	- Microscopes - Go Over Microscopes - NOTES & PARTS LABEL PRACTICE	- Study Parts

Friday	- Microscope Quiz - How to Use Labs	- No Homework

Cell & Cell Movement

Oct 21-25	Links & Class Assignments	Homework
Monday	- Cell Overview Options / Learning Day - Learning Modules for Cells & Cellular Movement Review sheet	Food Cell Lab • Cell Organelles and Function Definition sheet for presentation
Tuesday	Learning Day	Guided Diffusion Lab Read over to be prepared for tomorrow
Wednesday	Guided Diffusion Lab	
Thursday	Learning Day Work Finish Lab	Complete Lab if you couldn't get it finished in class.
Friday	• Learning Day • Go over Cell Parts & Functions in class	• Do Your FOOD CELL PROJECT • NO ABSTRACT - I KNOW YOU HAVE A BUSY WEEKEND!!!

Oct 28-Nov 1	Links & Class Assignments	Homework
Monday	Cell Party Day -Food CELL Assessment Due!!	-Read through Lab & do Pre Lab Questions -Watch How to Do Lab Video & Results
Tuesday	• Work on Alternate Assessments • Walk through AP Osmosis & Diffusion Lab	
Wednesday	AP Osmosis & Diffusion Lab • Water Potential Notes	Finish Lab If you didn't finish in class
Thursday	AP Osmosis & Diffusion Lab	

Friday	-Go over Lab Results & Findings Peer Edit Take Quizzes -Work on Test Assessment OR Alternate Assessment if you have time	• Study to take assessment quizzes • Finish AP Osmosis Lab - Due Tuesday • Don't Forget Abstract
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Nov 4 - 8 Links & Class Assignments Homework

Monday	Take Quizzes -Work on Test Assessment OR Alternate Assessment if you have time	• Finish Assessment • Finish AP Osmosis Lab • Finish Quizzes
Tuesday	- Work on Test Assessment OR Alternate Assessment if you have time	• Finish Assessment • Finish Quizzes
Wednesday	Tentative Assessment Due Date - Lab Due - Finish any quizzes	
Thursday	• Continue Assessments • - Tests taken today	•
Friday	- Go over mitosis & meiosis - Cell Cycle Worksheet (Put in BILL) - Cell Cycle CUT & PASTE (Put in BILL) - Onion Cell Worksheet (Put in BILL)	• Watch Mitosis Video & Meiosis Video & Takes notes on stages & Terminology in BILL • You need stages and definitions for both mitosis & meiosis

Nov 11-15 Links & Class Assignments Homework

Monday	- NO SCHOOL!!	-
Tuesday	- Mitosis Onion Root Tip Lab (print out & tape in BILL)	-
Wednesday	- Cancer Cells Out Of Control (put in BILL) - Case Study For Cells	-
Thursday	- Mitosis BILL Worksheets Due - DNA/Genetics	- Tape Notes in BILL if you haven't
Friday	- DNA/Genetics - Micropipetting	- Watch Gel Electrophoresis Video - Finish Taping in Notes if you haven't

Nov 18-22 Links & Class Assignments Homework

Monday	- DNA Necklaces Station - All Notes for DNA Test - DNA Pictures to go in BILL	- How to highlight notes & take notes using your BILL (in case you need a refresher)
Tuesday	- Go over DNA Notes	- Get your notes in your BILL
Wednesday	- Notes over people - Codon Bingo or work on Notes - Hand out Poster Project	- Work Opener (NOTES before starting Learning Document) - Alternate Assessment Document - OR - Test Assessment Document
Thursday	- Work on DNA/Transcription/Translation Posters - DNA SlidShow if you need help	- FINISH BILL NOTES - DUE TOMORROW
Friday	- Present Poster work - BILL Notes Due - Do Strand #1 on Worksheet & check yourself. Do strand #2 if you didn't get it. Etc...	- Work on Assessment ABSTRACT DUE This Weekend!!!

Nov 25-29 Links & Class Assignments Homework

Monday	- DNA/Genetics - tRNA, mRNA replication - Mutation Bracelet	- Study for Test
Tuesday	Review - Quizlet Live Molecular Biology Gimkit Play Review Game	- Study for Test
Wednesday	- DNA/Mitosis stages Test	- ½ Day Thanksgiving Break
Thursday	- No School	NO ABSTRACT DUE!!!
Friday	- No School	

Dec 2-6 Links & Class Assignments Homework

Monday	- Go over Transformation - Video 1: What is Bacterial Transformation? ****Video 2: Transformation Lab - Video 3: How will the Bacterial Transformation Lab Work?	-
Tuesday	- Transformation Lab	-
Wednesday	- Transformation Lab Results Poster	-

	- Start Genetics	
Thursday	- Monohybrid Complete Dominance	- Work on BILL Notes and Genetic Problems if Behind
Friday	- No School Parent Teacher Conference	- NO ABSTRACT Get Caught Up!!

Dec 9-13 Links & Class Assignments Homework

Monday	- Probability Lab	- Genetic Check Off Sheet
Tuesday	- Incomplete & Codominance - Dihybrid Crosses Bill Notes	- Work on BILL Notes and Genetic Problems if Behind
Wednesday	- Dihybrid Crosses	- Work on BILL Notes and Genetic Problems if Behind
Thursday	- Sex Linked & Barr Bodies / Pedigree Charts	-
Friday	- PTC LAB (if time)	- NO ABSTRACT Get Caught Up!!