

AP Biology: Spring Semester Calendar 2024-25 ver 2 `FIRE

wsloan@opusd.org, ~  ~  ~  ~  ~ &  @MsSloanBiology ~  @MrsSloanBiology



Topic Processing Flowchart: see my [“AP Biology Course Syllabus”](#) for more details ☺

- A. **Class Preparation:** Watch assigned [EdPuzzle](#) to complete your [Group Shared Notes \(GSN\)](#)! Remember: **Use the opportunity of the EdPuzzles, don't try to just “complete them”**. INVEST IN FRONT-LOADING: Can read/skim text book, look at all pictures, skim over the notes before you even start the EdPuzzle
- B. **During Class:** Involve yourself in class discussions - you are more likely to own the information for yourself
- C. **Post Class:** See [Master Unit HyperDocs](#) for multiple reviews - these are the expectations of the [College Board](#)
 1. Invest in **INPUT**(reading/watching) and **OUTPUT** (practice quizzes/essay prep writing) [reviewing](#) on a daily basis: [Bozeman](#)(s), [my reviews](#), [Khan Academy](#), [Crash Course](#), [College Board](#), etc.
 2. **Preparing for Exams:** starts the **first day** of the new unit, not a few days before the exam itself.

These are the eight units we will be discussing this year!

Date	TOPICS, LABS/ACTIVITIES: See Unit master HyperDoc for Additional Resources	HOMEWORK
1/7** (1-7)	Welcome Back! Collect: Semester 1 Progress Report Analysis Chapter 12 - new EdPuzzle Classrooms for HW	1. EP: Ch12, Pt. 2A
1/8-10	<i>School closed due to local fires...I hope you are all safe...</i>	
1/13-14	Start Chapter 12: Molecular Biology of a Gene POGIL: DNA Structure and Replication	1. EP: Ch12, Pt. 2B 2. Complete POGIL, <i>if needed</i>
1/15-16*	<i>Continue/Finish</i> Chapter 12: Molecular Biology of a Gene POGIL: Transcription/Translation MashUp	1. EP: Ch13, Pt. 1 2. Complete POGIL, <i>if needed</i>
1/17-21	Start Chapter 13: Regulation of Gene Expression	1. EP: Ch13, Pt. 2 2. Review for Chapter 12 Quiz
1/22-23*	Q12 , <i>Finish</i> Chapter 13: Regulation of Gene Expression	1. EP: Ch14, Pt. 1 and Pt. 2
1/24-27	Chapter 14: Biotechnology and Genomics, parts 1 & 2	1. EP: Ch 20, Pt. 1 and Pt. 2 2. Review for Chapter 13 Quiz
1/28-29*	Q13 , Chapter 20 (<i>partial</i>): Viruses, Bacteria and Archaea	1. EP: Ch 42, Pt. 1/2 & AMGEN INTRO 2. Review for Chapter 14 Quiz and Unit 6 Exam
1/30-31	Q14 <small>PRACTICE QUIZ</small> , Chapter 42 (<i>partial</i>): Animal Development Prepare for AMGEN Lab	1. Complete College Board PC 6 2. Review for AP Biology/Unit Exam - UNIT 6
2/3-4	Unit 6 Exam: MC & FRQ for Ch. 12-14, 20, & 42	Preparations for Lab 1
2/5-6*	AMGEN Lab 1: Introduction to Microvolumetrics and Pipetting <i>AMGEN'S Labs 1-5 are similar to Investigations 8-9 – still read your Lab Book for these two</i>	Review for AP Biology Exam - UNIT 1
2/7-10	AMGEN Lab 2: Restriction Analysis and Conclusions	Review for AP Biology Exam - UNIT 2
2/11-12*	AMGEN Lab 3: Ligation of Restriction Fragments Producing a Recombinant Plasmid	Review for AP Biology Exam - UNIT 3
2/13-14	AMGEN Lab 4: Confirmation of Restriction and Ligation Using Agarose-Gel Electrophoresis	Review for AP Biology Exam - UNIT 4
2/18-19*	AMGEN Lab 5: Transforming <i>Escherichia coli</i> with a Recombinant Plasmid	Review for AP Biology Exam - UNIT 5
2/20-21*	Finish AMGEN and Complete Upcoming HW	EP: Ch 15, Pt. 1 and 2

2/24-25	Chapter 15: Darwin and Evolution	EP: Ch 16, Pt. 1
2/26-27*	<i>Finish Chapter 15</i> Start Chapter 16: How Populations Evolve	EP: Ch 16, Pt. 2
2/28-3/3	<i>Finish Chapter 16: How Populations Evolve</i>	1. EP: Ch 17, Pt. 1 2. Review for Chapter 15 Quiz
3/4-5*	Q15, Start Chapter 17: Speciation and Macroevolution POGIL: Hardy-Weinberg Equation	1. EP: Ch 17, Pt. 2 2. Review for Chapter 16 Quiz
3/6-7* <i>Minimum Day</i>	<i>Finish Chapter 17: Speciation and Macroevolution</i> POGIL: Selection and Speciation - HW	EP: Ch 18, Pt. 1
3/10-11	Q16, Start Chapter 18: Origin and History of Life	EP: Ch 18, Pt. 2
3/12-13*	Chapter 18: Origin and History of Life POGIL: Mass Extinctions	EP: Ch 19, Pt. 1 & 2
3/14-18	Chapter 19: Taxonomy, Systematics and Phylogeny <i>Introduce Investigation 3: Comparing DNA Sequences to Understand Evolutionary Relationships</i>	1. Review for Chapter 17 Quiz 2. EP: Blast Lab 3. EP: 12 Days of Evolution 4. Complete College Board PC 7 MCQ A
3/19-20* WASC visit on 19th	Q17, Finish Chapter 19: Taxonomy, Systematics and Phylogeny, if needed Work on Investigation 3: Comparing DNA Sequences to Understand Evolutionary Relationships - turn in POGIL: Phylogenetic Trees	1. Review for Chapter 18 Quiz 2. Complete College Board PC 7 MCQ B & FRQ 3. EP: Stickleback Evolution!
3/21-24	Q18, REVIEW for Unit 7 Exam	Review for AP Biology/Unit Exam - UNIT 7
3/25-26*	Unit 7 Exam: MC & essay/short answer for Chapters 15-19 and Labs: AMGEN and 3	EP: Ch 46, Pt. 1 & 2
3/27-28*	Chapter 46.1: Major Ecosystems of the Biosphere	EP: Ch 43, Pt. 1
3/31-4/1	Start Ch 43: Behavioral Ecology	EP: Ch 43, Pt. 2
4/2-3*	<i>Finish Ch 43: Behavioral Ecology 4/2: 3,1,5 Day; 4/3: 4,2,6 Day</i>	EP: Ch 44, Pt. 1
4/4-7	Start Chapter 44: Population Ecology	EP: Ch 44, Pt. 2
4/8-9*	Q43, Finish Chapter 44: Population Ecology POGIL: Population Growth	EP: Ch 45, Pt. 1
4/10-11	Chapter 45: Community and Ecosystem Ecology ~HAPPY SPRING BREAK~	EP: Ch 45, Pt. 2 Review for Chapter 44 Quiz
4/21-22	Q44, Finish Chapter 45: Community and Ecosystem Ecology POGIL: Ecological Relationships	EP: Ch 47, Pt. 1
4/23-24	Start Chapter 47: Conservation Biology THE LAST CHAPTER OF YOUR BOOK!!!!	EP: Ch 47, Pt. 2 Review for Chapter 45 Quiz
4/25-28	Q45, Finish Chapter 47 and Review for Unit Exam	Complete College Board PC 8 Review for AP Biology/Unit Exam - UNIT 8
4/29-30	Unit 8 Exam: MC & essay/short answer for Chapters 43-47	Review for AP Biology Exam
5/1-2	REVIEW FOR AP EXAM and FINAL	Review for AP Biology Exam
5/5-6	AP BIOLOGY EXAM!!!!....in the morning After Exam and 5/6 - I will introduce the Fetal Pig Lab 2,4,6	<i>Review or chill!</i>
5/7-8*	Lab 55: Fetal Pig Lab	<i>Review for FINAL Exam</i>
5/9-12	Lab 55: Fetal Pig Lab	<i>Review for FINAL Exam</i>
5/13-14*	1,3,5 Lab 55: Fetal Pig Lab, 2,4,6 Review on 5/14	<i>Review for FINAL Exam</i>
5/15-16	Review for Final Exam and/or finish up Fetal Pig Lab	<i>Review for FINAL Exam</i>
5/19-20	FINAL EXAM: MULTIPLE CHOICE ONLY (120 points) CHAPTERS 1-20, 23-27, 31-38, 40, 42-47 Investigations 2-5, 8-9, 11,13	Relax
5/21-23*	Possibly an Opportunity to look over your FINAL EXAM	HAVE A GREAT SUMMER BREAK!!!!

*Shortened class for Support or Activity Schedule etc