

AP BIOLOGY SUMMER READING 2019

Dear Student,

You have been identified as a student enrolled in AP Biology for the upcoming school year. AP Biology can be very interesting and fun, but it is also very demanding because of the amount of content to prepare for the AP exam. To give us a head start next school year, I am requiring that you complete the following reading assignments over the summer. For most students, it helps to outline the information while reading because it forces them to slow down and comprehend each concept; therefore, while reading you are required to complete the reading guides for each of the chapters listed below. The reading guides are carefully checked for completion and recorded as a homework grade.

The summer assignment is designed to ease the transition into an AP course. Anything you do to prepare for the fall will benefit you and reduce the stress of taking an AP Science course. Please do not wait until the night before school to begin this assignment because you will not finish it.

Please email me at gjubulis@wscschools.org if you have any questions. This assignment is also available on the district website at West Senior under school resources.

Have a great summer! I look forward to meeting you and having you in class in September.

SUMMER ASSIGNMENT

___ **Subscribe to Remind 101 by sending @wswbio to 81010**

___ **Read the Course Outline**

___ **Read Chapter 22; complete the Reading Guide pages 151-155. This is an introductory chapter on evolution which should build upon what you learned in Living Environment. This assignment is due on the first day of school.**

___ **Required Web-based activities and videos for Chapter 22.**

Google - Learn Genetics Utah & choose the Evolution: DNA and the Unity of Life module
Complete the following and place a check mark or X next to each after you complete the video or activity.

Tree Diagrams

Evidence for Common Ancestry

Common Ancestry: It's in our DNA

Phylogenetic Trees

Adaptation

Recipe for Natural Selection

Meet the Threespine Stickleback

Unity and Diversity of Life

New Google Search:

Peppered Moth Simulation at <http://peppermoths.weebly.com/> Complete the accompanying worksheet for a HW grade.

<http://www.hhmi.org/biointeractive/origin-species-beak-finch> (The Origin of Species: The Beak of the Finch)

(OVER)

Read Chapter 24; Complete the Reading Guide pages 162-165. You must read this chapter and complete the corresponding reading guide. This is an interesting chapter that discusses one of life's greatest mysteries; the emergence of new species on planet Earth.

Recommended Web-based activities and videos for Chapter 24.

Google - Learn Genetics Utah & choose the Evolution: DNA and the Unity of Life module

Complete the following and place a check mark or X next to each after you complete the video or activity.

Canines: Similarities and Differences

What is a Species?

Reproductive Barriers

Hawthorns to Apples

<https://www.youtube.com/watch?v=2oKlKmrBLoU> Speciation: Of Ligers & Men - Crash Course Biology

<http://www.pbs.org/wgbh/nova/evolution/evolution-action-salamanders.html> (Evolution in Action: Salamanders)

The Reading Guides that you have completed will be collected and evaluated as a homework grade. These reading guides not only help you to focus while reading, but also will serve as resources to prepare for any upcoming quizzes and tests.

EXTRA CREDIT MARKING PERIOD 1:

Chapter 25 Reading Guide pages 166-171. Read Chapter 25 on early earth and the origin of life. This reading guide will be turned in on 9/14/18. You will be awarded one point on your quarter one average.

Required Web-based activities and videos for Chapter 25.

<https://www.youtube.com/watch?v=1WS712DHfmg> Life Begins: Crash Course Big History #4

AP Biology requires you to read a college level textbook. The Reading Guide is designed to make the reading more manageable and help you to identify what is most important. Please try to understand that I am not trying to overwhelm you this summer, but I am encouraging you to be prepared for the start of the school year in a college level class. Have a great summer!