

**NAZARETH ACADEMY HIGH SCHOOL  
SCIENCE DEPARTMENT  
AP BIOLOGY SUMMER ASSIGNMENT – 2020**

Dear Student:

Welcome to AP Biology! The course that you have chosen may well be one of the most challenging, demanding and exciting courses you have taken so far in your school career. You are studying biology at a time of many scientific advances. Perhaps more new knowledge is being realized today in biology than in any other area of science. AP Biology is an intense and comprehensive survey course that follows strict guidelines set forth by The College Board. AP Biology is equivalent to an introductory college biology course and as such will include: lectures, discussions, and laboratory investigations. The AP curriculum emphasizes eight basic units in Biology:

Unit One:	Chemistry of Life	Unit Five:	Heredity
Unit Two:	Cell Structure and Function	Unit Six:	Gene Expression and Regulation
Unit Three:	Cellular Energetics	Unit Seven:	Natural Selection (Evolution)
Unit Four:	Cell Communication and Cell Cycle	Unit Eight:	Ecology

The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Students are encouraged to focus on understanding important relationships, processes, mechanisms, and potential extensions and applications of concepts.

Because of unique circumstances with the completion of the 2019 – 2020 school year, it is impossible for you to obtain the text book that you will be using for this course. So, I have prepared a summer assignment based on an important concept that we will be using for this course.

**Graphing** is an important procedure used by scientists to display the data that is collected during a controlled experiment. When a graph is put together incorrectly, it detracts the reader from understanding what you are trying to present. Your assignment is found on the school's website under Summer Assignments. There are three documents besides this letter that you need to download: 1) The information regarding graphing procedures provided by AP College board; 2) Questions which are based on the graphing procedures; and 3) Applications of graphing used in AP Biology. Parts 2 and 3 will be completed and returned to me, in class on **Wednesday, August 26, 2020**. We will review this material and then you will take a Graphing Test sometime after Labor Day.

If you have any questions, e-mail me any time at [wiz@nazarethacademyhs.org](mailto:wiz@nazarethacademyhs.org).

Have a wonderful summer and come back to school refreshed and **READY TO GO!**

**Miss Wizz (Frances Wiecezynski)**