

## **AP Biology Summer Assignment 2018-19**

Required Text: “*Biology*”, Campbell & Reece, 6<sup>th</sup> ed. Publisher Benjamin Cummings

Text can be purchased for a few dollars at Amazon or similar online sources

Supplemental Text NOT required: “*Student Study Guide for Biology*” 6<sup>th</sup> ed., Taylor

Publisher Benjamin Cummings

I have divided the Summer Work up into two parts for you.

### **I. Early Summer: Ecology**

**Read** Ch. 50 Intro to Ecology

Ch. 52 Population Ecology

Ch. 54 Ecosystems

**Complete Ecology Unit Assessment**, which will help you to focus your readings. This Assessment will be turned in when school begins. We will begin with ecology based laboratories in September. Obtain the Ecology Unit Assessment from Mr. Sarno in room S-6 or find it in the Guidance Office during the summer.

### **II. Late Summer: Mechanisms for Evolution**

**Read** Ch. 22 Descent with Modification

Ch. 23 The Evolution of Populations

Ch. 24 Origins of Species

Ch. 25 Phylogeny & Systematics

**Complete Evolution Unit Assessment**, which will help you to focus your readings. This Assessment will be turned in when school begins. Evolution is an underlying theme throughout Biology and we will begin our study with looking at the Biological diversity found on Earth Unit 5 in your text book in September.

**Info:** This course requires a great deal of independent work. Reading for understanding and making connections between topics is vital to being successful in science and Biology. Biology is an application science utilizing many other core science disciplines such as Chemistry, Physics and even Geology. A greater appreciation for many biological concepts we will cover in this course will come from your preparation in Chemistry & Honors Biology last year. I suggest you review your past notes in Chemistry & Biology and begin using a good notebook and a dictionary while reading this text since it can be rigorous.

#### **Past Experiences:**

Students who score the highest on the AP exam are those who do the work and independently read for understanding. They read ahead, complete all work on time, participate at high levels during class and miss class infrequently. Good luck with the work and the next academic year. If you have ANY questions email [jsarno@mainlandregional.net](mailto:jsarno@mainlandregional.net). I will be happy to help you with any problems you may be experiencing with either Ecology or Evolution. Have a great summer!!

**\*\*Assignments: ALL ASSESSMENTS MUST BE PICKED UP AT GUIDANCE DURING SUMMER MONTHS  
OR IN S6 DURING THE SCHOOL YEAR**