

AP Biology

Summer Assignment 2018-2019

Ms. Edmunds's classes

I am so excited that you have decided to take AP Biology next year. AP Bio is a very rigorous course designed to introduce you to the most fascinating and useful science around...Biology. This is, of course, my humble opinion! Due to the large amount of material that we need to cover during the year, it is unfortunately necessary for you to have a summer assignment.

I want to note right now, on the onset of your AP journey, you will get out of this class what you put into it. Students who have performed successfully on the AP exam (earned a 4 or a 5) WORKED STEADILY THROUGHOUT THE SUMMER AND THE SCHOOL YEAR. They work independently both inside and outside of the class room. Although I do not assign homework frequently, I am expecting that you spend a short period of time each night (20 to 30 minutes) studying or reviewing the concepts we covered that day. To help you with this, I suggest that you purchase an AP Biology prep book. Any of the well-known books (Cliff, Princeton Review, Barron's) will help you study the day's topic.

The course is designed to be equivalent to an introductory Biology course usually taken in the first year of college. I hope it will be rewarding. I know it will be challenging. Throughout the course, you will become familiar with major recurring themes that show up throughout all of the topics and materials covered. The major themes are:

- I. Science as a Process
- II. Evolution
- III. Energy Transfer
- IV. Continuity and Change
- V. Relationship of Structure and Function
- VI. Regulation
- VII. Interdependence in Nature
- VIII. Science, Technology, and Society

Before **this** school year (2017-2018) ends, you need to see me in the Multipurpose Science Room (152) so I can give you a book. At that time, I will ask you for your email address as this is one way I like to communicate with the class. My email is dedmunds@sboe.org. Feel free to contact me during the summer. I promise to get back to you ASAP. I do have some vacation planned, so if you email me during those weeks, I may not get back to you until the next week.

The summer assignments will count towards your first marking period grade. The assignments have different due dates and I can't stress enough how important it is to meet the due dates. Any assignment that is to be emailed should be sent to sboe.org! Feel free to use any resources out there, including friends (family), but please make sure that you answer the questions in your OWN words. I do not want to see identical work from any two students.

And now, just what you have been waiting for....the assignments: