AP Biology 2018-19
SUMMER ASSIGNMENT

Dear AP Biologist,

Congratulations on taking an AP course. Advanced Placement courses offer you the opportunity to experience the rigors of a college-level class. The benefits of this include:

- Courses that are appealing to College Admissions Counselors
- Preparation for the college workload to help you succeed at the next level
- Opportunity to earn college credit through an end of year exam

We have a lot of material to cover by the AP test on May 11. You will be expected to read and take notes outside of class, make scientific arguments and models based on evidence, and analyze data from experiments and labs. Additionally, you will have four tasks that must be completed this summer, all of which can be accomplished on Google Classroom. You will receive a grade on the first day of school for each of the four tasks:

Task 1

Sign up for the Google Classroom. Go to google classroom and log in with your apps4pps account. Click the + icon in the top corner and type in the code for the class: "**8w776**."

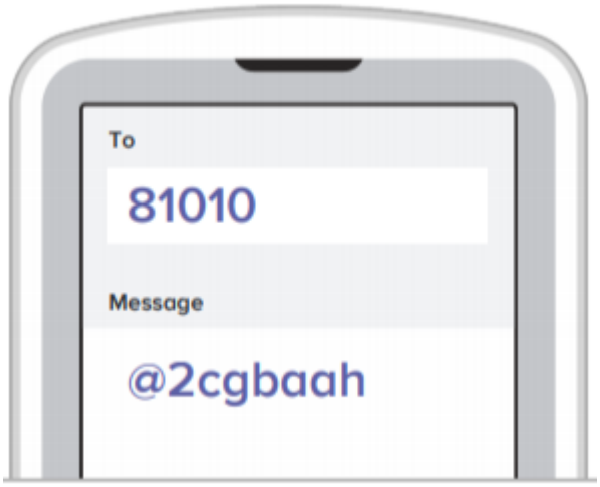
Task 2

In google classroom, click on link titled, "Introductory Survey" and introduce yourself.

Task 3

Sign up for the class remind account. I will send out a text once every 3-4 weeks to remind you of the summer project and then as a communication source during the school year. This can be achieved several different ways:

- Text @MadAPBio to the number 81010
- Go online and go to: rmd.at/2cgbaah
- Go to the google classroom and click the link



Task 4

Scavenger Hunt

AP Biology requires you to be familiar with biological terms and concepts and then will test your ability to apply those terms and concepts to situations. On the next page you will find 70 terms related to AP Biology. You will need to find examples of these concepts in the real world and take a picture of them. You will receive two points for each term for a maximum of 100 points. FInd more details on google classroom.

AP biology can be somewhat labor intensive, but it is very rewarding and can be very fun. I look forward to seeing some of you again and meeting some of you more completely in the fall. If you have any questions over the summer, I can be contacted by email at emellgren@pps.net. I cannot guarantee you an immediate response, but I should check it regularly. Have a fantastic summer and I will see you in the fall.

- Erik Mellgren
  AP Biology Instructor, Madison High School

Biology Vocab Scavenger Hunt

Abiotic Factor

Adaptation of a plant

Adaptation of an animal

Auxin

Batesian Mimicry

Bilateral Symmetry

Biome

Bird

Bryophyte

C4 Plant

CAM Plant

Carbohydrate

Carbon Cycle

Cellular Respiration

Cellulose

Chitin

Cnidaria

Commensalism

Connective Tissue

Detrivore

Echinoderm

Ecosystem

Endergonic Reaction

Epithelial Tissue

Amphibian

Analogous Structures

Angiosperm

Estuary

Exergonic Reaction

Fermentation

Fish

Flower Ovary

Flower Stamen

Genetic Variation within a Population

Gymnosperm

Herbivore

Heterotroph

Homeostasis

Homologous Structures

Hydrophilic

Hydrophobic

K-Strategist

Keystone Species

Lipid

Mammal

Mollusca

Mutualism

Annelid

Arthropod

Autotroph

Negative Feedback

Niche

Nitrogen Cycle

Parasitism

Phloem

Photosynthesis

Phototropism

Pollinator

Positive Feedback

Primary Consumer

Primary Producer

Protein

r-Strategist

Reptile

Saturated Fatty Acid

Secondary Consumer

Stomata

Unsaturated Fatty Acid

Water Cycle

Xylem