

AP Biology Course Expectations 22-23

Greetings! And Welcome to AP Biology.

This is a project and lab based course that will expose students to topics in Biology and help prepare students for the AP Biology test (**Wednesday May 10, 2023.**) The 8 units covered in class are as follows:

- Unit 1: Chemistry of Life
- Unit 2: Cell Structure and Function
- Unit 3: Cellular Energetics
- Unit 4: Cell Communication and Cell Cycle
- Unit 5: Heredity
- Unit 6: Gene Expression and Reproduction
- Unit 7: Natural Selection
- Unit 8: Ecology

The College Board recommends 13 *inquiry* based labs and we intend to do all of them and use their lab manual.

Material in this course will be delivered through individual student readings, class lectures and discussions, videos, activities and mini-debates.

Summit Learning Platform

Students will demonstrate their understanding of the class content through projects within the Summit Learning Platform. All of the student work that is to be assessed for a grade will be submitted through Summit. The school is adopting the following norms for ALL classes using the Summit Learning Platform

- Projects must to be submitted ON THE PLATFORM DUE DATE
 - One Week grace period for missed deadlines. If project is submitted late for any reason, the student must attend OFFICE HOURS or speak to/email the teacher after school
- In order to submit the Final Product, all required checkpoints in the project need to be completed satisfactorily (be GREEN)
 - Teachers will not grade projects with uncompleted checkpoints

The Power Focus Areas for AP Biology will cover the labs that we will do in class. Additional Focus Areas will cover the 8 units listed above. **IF/WHEN** students have their homework completed **THEN** they can use those notes for the assessments.

We will also use College Boards AP Classroom for content mastery checks. The College Board does not allow ANY scores from AP Classroom assignments to count toward a student's grade. What will count toward a grade will be an **ON TIME** attempt at completing the assessments in AP Classroom.

Students will be given weekly homework assignments on Monday in class that will be due on the following Monday. Homework is expected to be handwritten on notebook paper and will be assessed mostly based on completion.

Projects

Students this year in AP Biology will work through the following projects:

- Summer Reading Project
- Virtual Cell Processes (Units 1 & 2)
- Biomass as Renewable Energy (Units 3 & 4)
- Human Genetics Infomercial (Units 5 & 6)
- Biomimicry Design Solution (Units 7 & 8)

Within each projects students will demonstrate mastery of the content through a variety of means. All **REQUIRED** checkpoints must be completed **ON TIME** for projects to be scored.

Checkpoints may included (but are not limited to)

- Weekly Homeworks
- Lab Write-Ups / Lab Reports
- AP Classroom Content Assessment (completion only)
- Class activities
- Digital Labs
- Mathematical Problem Solving Activities
- Whatever other interesting / cool stuff I find to help students understand content

Success on the AP Biology exam (and any AP exam) requires a significant amount of time spent OUTSIDE of the school day on class materials. I will do my best to provide the proper structure and support for student success, but students need to do the reading/studying on their own IF they are seeking a passing AP test score.

Communication

The most efficient way to communicate with me is via email. abruening@fairview.k12.oh.us

All class announcements will occur through email and a Google Slide called "Today in AP Biology". Students will bookmark this slide and it will have links and schedules for EVERYTHING that we do in class.

<https://tinyurl.com/FHSTodayinAPBiology>

Please feel free to contact me with ANY QUESTIONS!

Andy Bruening