

# ADV Biology Course Expectations

Greetings! and Welcome to ADV Biology!!

Advance Biology is a project and lab based course that cover the 4 main topics of biological science in the Ohio Science Content Standards:

- Diversity and the Interdependence of Life
- Evolution
- Heredity
- Cells

We will work on one overarching project for each of the topics AND one cross-curricular project with English 9. Our projects for the year:

- Ecosystem in Jar
- Modeling Bird Beaks - How Changing Environments Drives Evolution
- Astrobiology Newscast
- Genetic Counselor Project
- Speaking Out Through “Dry”

## **Required Materials**

Students will need the following materials EVERYDAY in class:

- Something to write with (pen, pencil, marker, crayon, whatever they choose....but bring one!)
- Something to write on that allows students to ORGANIZE their notes/thoughts (notebook or binder)
- Something to keep all of their stuff for ADV Biology stored in one place (folder or binder)
  - NOTE: *shoving materials in their backpack or locker doesn't count here*
- A curious and open mind that is ready for ACTIVE LEARNING

Students will need the following materials OCCASIONALLY in class:

- Goggles. The same goggles that they had last year with Mr. Broschk
- Calculator. Anyone is fine.
- Clothes appropriate for OUTDOOR LEARNING at Bain Park.

Student will need the following materials for particular projects:

- A glass jar (the bigger the better/easier)
- Poster board (maybe)
- Art materials

## **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 Focus Areas for ADV Biology will be taken during ADV Biology class time OR during 8th period office hours with Mr. Bruening. Notes can be used on assessments IF students complete their homework on time each week. Weekly homework is assigned to help prepare students for the rigors of other college preparatory science classes.

## **Communication**

The most efficient way to communicate with me is via email. [abruening@fairview.k12.oh.us](mailto:abruening@fairview.k12.oh.us)

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

<https://tinyurl.com/FHSAdvBio>

Please feel free to contact me with ANY QUESTIONS!  
Andy Bruening