

AP Bio Summer Assignment



Due date: 1st day of class No late assignments accepted!

Resources Needed: device with internet, notebook, writing utensil, cell phone

Assessment: Notes will count as the first test grade of the quarter.

Grading will be based on rubric below. The second assignment

iNaturalist will count as the first homework grade of the quarter.

Purpose: The first assignment is related to becoming acquainted with science practices that you'll be learning about in AP Biology. The second assignment gets you thinking like a true scientist and will aid in many of our units throughout the course for labs, data collection and classifications.

Assignment #1: Video Notes

Watch the videos listed below and take hand-written notes on each of them. The notes should be your original work. EACH video note sheet will be scored 0 to 5 based on completeness and thoroughness as shown in the rubric below. **Note that pages will not be accepted late nor will they be accepted typed.**

#	Video Content	Link
1	The Nature of Science	https://youtu.be/77TFiYWPxoQ
2	The Scientific Method	https://youtu.be/SMGRe824kak
3	CER (Claim- Evidence-Reasoning)	https://youtu.be/5KKsLuRPsvU
4	AP Biology Science Practice 1 Model and Representations	https://youtu.be/v5Nemz_cVew
5	AP Biology Science Practice 2 Using Mathematics Appropriately	https://youtu.be/jgqYISKoXak
6	AP Biology Science Practice 3 Formulate Questions	https://youtu.be/2zB272Ak63A
7	AP Biology Science Practice 4 Data Collection Strategies	https://youtu.be/AzTXnne40wU
8	AP Biology Science Practice 5 Analyze Data and Evaluate Evidence	https://youtu.be/OJqukouOtZA
9	AP Biology Science Practice 6 Scientific Explanations and Theories	https://youtu.be/3gK1xWNM7kk
10	AP Biology Science Practice 7 Connecting Knowledge	https://youtu.be/7l4bcs49JP8

Grading Rubric

0 No Credit	1-2 Below expectations	3-4 Complete	5 Exceeds expectations
No notes OR copied from a peer.	Several criteria are missing from entry	All criteria are met, but there's room for improvement within criteria OR one criterion is missing from entry.	All criteria listed below are met or have been exceeded for each entry.

What does work that "exceeds expectations" have?

- Each video's notes are on a different page.
- The video's title is written as it appears in the video on the top line of the paper.
- The notes are legibly written.
- Highlighting or colors are used to emphasize key points, new vocabulary, and/or important concepts.
- Examples are documented in some way when given in the video.
- A summary of the video content is provided at the end of the notes. Please emphasize the summary in some way (title it, star it, highlight it, etc.)

Your notes are to be *original work* and are not to be copied from a peer, or other online resources - these serve as a log of what **you** have **learned** from the video. Copying them from a peer and not watching the video is not beneficial. You will receive zero credit if you are found submitting work that is too closely aligned with a classmate's work.

Acknowledgements - this summer assessment was derived and adapted from York County Schools (https://yorkcountyschools.org/parents/studentInfo/docs/AP_Biology.pdf)

Assignment #2: Reading and Chapter Questions

We will be using an online textbook from OpenStax this year in AP Biology. Both online and PDF formats are available, and you can use whichever you prefer. Below is the link to the textbook.

*Biology for AP Courses from OpenStax, Print ISBN 1947172409, Digital ISBN 1947172417,
www.openstax.org/details/biology-ap-courses*

Read Chapter 1 (The Study of Life) entirely and complete all 23 questions at the end of the chapter (Review Questions, Critical Thinking Questions, and Test Prep for AP Courses). You may either print out

the PDF worksheet provided and give answers there, or you may access the questions online and submit your answers on a separate sheet of notebook paper.

See you in class in August!