

2022-23 Biology Course Guidelines

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Text:

[HMHCO Biology 2018](#)

Description:

This course is designed to allow students to understand the natural world around them by learning the fundamental organization of biological systems. Inquiry activities will be utilized to foster the development of scientific reasoning. Organic molecules, energy transfer, photosynthesis, cellular respiration, genetics, genetic engineering, evolution and bacteria, viruses and protists will be covered. Virtual labs will provide a hands-on learning experience that encourages observation, record-keeping and succinct writing skills.

Goals:

Students, upon successful completion of the class, will be able to

- Understand how to utilize digital tools to understand content material
- Understand how the scientific method is used universally and in many different areas as a problem-solving resource.
- Know, use and interpret scientific explanations of the natural world;
- Generate and evaluate scientific evidence and explanations;
- Understand the nature and development of scientific knowledge; and
- Participate productively in scientific practices and discourse.

Materials Needed:

- District-issued chromebook
- Spiral bound notebook

Evaluation:

Student grades will be assessed using the following criteria:

- Tests & quizzes- 40%
- Labs/Activities : 20%
- Homework: 20%
- Classwork/ Participation:20%

Criteria for Assessments:

Tests & quizzes: will be based on the chapter/unit covered. These will be taken on a district issued chromebooks in a Google Form directly from the classroom platform. Make-ups will occur either during the next scheduled test or after school. If you are not happy with your test grade, you will be given an opportunity to take a different version of the test ONLY after remedial work has been completed. NO EXCEPTIONS!

Labs/Activities: are given throughout each marking period to reinforce key concepts and to encourage exploratory reasoning. The pre-lab MUST be completed in order to complete the lab. If you do not have the pre-lab completed, you will earn a zero for that lab unless you come after school to complete the lab. NO EXCEPTIONS. Formal labs reports must follow the format provided and will not be graded on the success or failure of the lab, but on observations and correlation. The lab report can be handed in individually or with the lab partner. It is the student's responsibility to decide prior to the due date who will be responsible for the lab report. Projects will be given as needed to provide reinforcement of concepts. Rubrics will be provided to students when the assignment is given. A late penalty of 25% per day (Including each weekend day) will be deducted.

Homework: will be given through various platforms, including, but not limited to Edpuzzle, Khan academy, the online book, and google.com.applieddigitalskills. Late assignments will NOT be accepted as they are meant to prepare students for the activities for the upcoming day.

Classwork/ Participation: Classwork includes group activities, Peardecks during direct instruction, and also includes being prepared for class (having a charged chromebook and correct clothing for lab activities)

Classwork/homework will be entered at the completion of that section/unit (this will usually be weekly except on longer sections). Test grades will be entered within 48 hours of the last student completing the assessment and labs will be entered within 10 business days of the due date. Projects will be graded within 10 business days of the due date.

There will be a final exam that is equal to one marking period grade.

Resources

[Homework website](#)

[Google Classroom](#)

[Online book site](#)

[Khan academy](#)

[applied digital skills](#)

[EdPuzzle](#)

[Kahoot](#)

PearDeck-via Google slides in classroom. No link available- these are generated per slidedeck