**Biology Fall 2021 Syllabus**

**Hillcrest High School**

**Teacher: Warner House**

**Contact Information:**

* Classroom: Room 216
* Phone: (205) 342-2800
* Email: mwhouse@tcss.net
* Remind code: @mrhousebio
* Planning Period: 4th Block

**Conference Information:** I am available to talk with parents or students during my planning period or after school. Parents need to make arrangements through the main office.

**Course Description:** Biology is a required, inquiry-based course focused on providing all high school students with foundational life science content about the patterns, processes, and interactions among living organisms. The emphasis is on increased sophistication and rigor of a limited number of core ideas rather than on memorizing a breadth of factual content. The content standards are organized according to the disciplinary core ideas for the life science domain. The first core idea, From Molecules to Organisms: Structures and Processes, concentrates on the structure of the cells and how their functions are necessary for supporting life, growth, behavior, and reproduction. The second core idea, Ecosystems: Interactions, Energy, and Dynamics, investigates the positive and negative interactions between living organisms and other biotic and abiotic factors. The third core idea, Heredity: Inheritance and Variation of Traits, centers on the formation of proteins that affect the trait expression, also known as the central dogma of molecular biology.

**Class Rules**:

* Respect yourself, your classmates, your teacher, and your administrators.
* Be on time every day. Students should be seated in their desks with their supplies ready to begin when the bell rings. Those who are not will be counted tardy.
* Come to class ready to learn.
* Follow all laboratory safety rules.
* You may not eat, drink, or chew gum during class. You may drink water.
* Do not leave the room without permission. Go to the restroom before class begins.
* Follow all school rules.

**Required Materials**: Miller and Levine *Biology*, 3-ring notebook with paper, pens and pencils, graphing paper, highlighters.

**Grading:** Grades will be based on a point system. Students will receive points for classwork, homework, laboratory reports, projects, quizzes, and tests. Work must be turned in by the due date assigned. Any work turned in after the due date will receive half credit. The percentage grade for each term will be determined by dividing total points by points possible. A comprehensive nine-weeks exam will be given at the end of the first nine-week term hat is 20% of the total nine-weeks grade. At the end of the course a comprehensive final examination will be given that is 20% of the course final grade.

**Attendance/Make-up Work:** Attendance is critical for your success in this class. If something does come up and you must miss class, you should make arrangements with me your first day back. You will have two days to make up work for each day absent once it is assigned, otherwise you will receive a zero. If your absence is excused, you can make up 100% of the points. If your absence is unexcused, you can make up 65% of the points up to three times per semester. After three unexcused absences you will not be allowed to make up work.

**HHS Code of Academic Honor and Integrity:**

**Statement of Purpose**

At Hillcrest High School, we build excellence one Patriot at a time by conducting ourselves with honor in *all aspects of academic and personal life.* This code is established to foster an authentic learning culture where teachers and students seek academic, social, and personal integrity.

**Mission Statement**

*Building Excellence, One Patriot at a Time*

**Honor Statement**

As a Patriot, I have neither given nor received inappropriate aid on this assignment or test.

**Honor Pledge**

As a Hillcrest Patriot, I pledge to conduct myself with integrity by upholding the principles of the Honor Code.

**Survey and Scope:** This outline is general in nature and may be changed according to student needs and interests.

**1st Nine Weeks:**

 The Scientific Method – Chapter 1

 The Chemistry of Life – Chapter 2

 The Cell – Chapter 7

 Photosynthesis – Chapter 8

 Cellular Respiration – Chapter 9

 Cell Division – Chapter 10

 **2nd Nine Weeks:**

Genetics – Chapters 11-14

 Ecology – Chapters 3-6

 Natural Selection & Evolution – Chapter 15-17

 Classification – Chapter 18

Please sign below indicating that you have read the syllabus and return to Mr. House by Monday, August 16, 2021.

Student:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please list any questions or concerns you have for Mr. House below: