



Honors Biology A/B

Grand Haven High School



Course Number: D41A/D41B

Grade Level: 10th Grade

Credits : 1 credit

Prerequisite Courses : none

Course Description

In Honors Biology, students will study the structure and function of living things. Higher expectations in learning outcomes and course preparation are promoted in comparison to the Biology course. The course is more rigorous and topics are taught more in depth compared to the regular Biology class. Learning will occur through textbook reading and note-taking, class discussion and lectures, as well as hands-on activities, discussions, projects, current events and other classroom activities. This course is designed to exceed the State of Michigan curriculum content expectations for Biology as both a GHHS and State of MI graduation requirement.

Course Objectives

Students will develop an understanding of living things. Units of study include Scientific Inquiry, Ecology, Chemistry/Biochemistry, Cells, Photosynthesis and Cellular Respiration, DNA and Protein Synthesis, Cell Cycle and Mitosis including cancer, Genetics, Evolution, Human Body Systems including dissection of the fetal pig

Student Expectations

Students are expected to come to class prepared and on time. Students are expected to have respect for themselves, classmates, teachers and property. Students are expected to always try their best and to stay positive.

Communication

Regular progress can be monitored using Parent Internet Viewer and Google Classroom. Instructors will be available via email and phone.

Grading Policy

Building Behavioral Expectations

TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

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This course has two categories as follows: Assessments = 65%, Classwork = 35%

Scope and Sequence

1st Semester includes the following:

- Scientific Inquiry
- Ecology
- Chemistry/Biochemistry
- Cell Structure and Function
- Cellular Energy (photosynthesis and cellular respiration)

2nd Semester includes the following:

- DNA, RNA and Protein Synthesis
- Cell Cycle and Mitosis
- Genetics
- Evolution
- Human Body Systems

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