



Honors Biology A and B Grand Haven High School



Course Number: D41A/D41B

Grade Level: 10th

Credits : 1 credit

Prerequisite Courses :

Course Description

In Honors Biology, students will study the structure and function of living things. Learning will take place through hands-on activities, discussions, projects, current events and other classroom activities. This course is designed to meet 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 Introduction to Biology, Ecology, Chemistry/Biochemistry, Bacteria and Viruses, Cells, Photosynthesis and Cellular Respiration, DNA and Protein Synthesis, Cell Growth and Division, Genetics, Evolution, Classification and Human Body Systems (includes dissection of a fetal pig).

Student Expectations

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

Communication

Regular progress can be monitored using Parent Internet Viewer, Remind 101 and use of instructor website at: <https://ghaps/portengas>. Instructor will be available via email and phone.

Grading Policy

This course has three categories as follows: Tests and Quizzes = 70%, Classwork = 15% and Homework = 15%

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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Scope and Sequence

1st Semester includes the following:

- Chapter 1: Introduction to Biology
- Chapter 3-6: Ecology
- Chapter 2: Chemistry/Biochemistry
- Chapter 19: Bacteria and Viruses
- Chapter 7: Cell Structure and Function
- Chapter 8: Photosynthesis
- Chapter 9: Cellular Respiration

2nd Semester includes the following:

- Chapter 12: DNA, RNA and Protein Synthesis
- Chapter 10: Cell Growth and Division
- Chapter 11: Introduction to Genetics
- Chapter 13: Genetic Engineering
- Chapter 14: Human Genome
- Chapter 15-17: Evolution
- Chapter 18: Classification of Living Things
- Human Body Systems Project and Dissection

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