



Grand Haven High School

Biology A / B

Course Number: D41A / D41B

Grade Level: 10th Grade

Credits : 1 credit

Prerequisite Courses : None

Course Description

In 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, Cells, Photosynthesis and Cellular Respiration, Cell Growth and Division, DNA and Protein Synthesis, Genetics, Evolution, Bacteria and Viruses, Classification and Human Body Systems.

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.

Building Behavioral Expectations

T.E.A.M. 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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Grading Policy

This course has two categories as follows: Assessments = 60%, Classwork = 40%

Scope and Sequence

1st Semester includes the following:

- Scientific Inquiry and Methods
- Ecology
- Biochemistry
- Cell Structure and Function
- Cellular Energy (ATP, photosynthesis, and cellular respiration)

2nd Semester includes the following:

- Cell Growth and Division
- DNA, RNA and Protein Synthesis
- Genetics and Biotechnology
- Viruses and Bacteria
- Evolution and Natural Selection
- Human Body Systems

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