



Meridian Technical Charter High School



Bodell:
MTCHS

Sophomore Biology Investigations Online Syllabus

Email: jeff.bodell@mtchs.org

Building Hours: M-F 6:45 – 2:45

Textbook – Biology Exploring Life – Prentice Hall - ONLINE

Sophomore **Biology Investigations Online** is designed to fulfill State of Idaho requirements. Students will study issues and concepts related to ecology, biochemistry, evolution, cell structure and function, human anatomy, and plant structure. This course is delivered online in a virtual environment utilizing the Moodle Course System and outside Educational Resources.

Online Biology-Exploring Life E-Text can be viewed @: <https://bodell.mtchs.org/OnlineBio/BIOCD/text/index.html>.

Course Expectations and Routines:

Biology Investigations Online is an online course taught via the MTCHS Moodle course delivery system and additional resources. Student activities, assignments and labs will be posted and made available in the BIO Moodle course and weekly progress on unit activities will be required and graded through an online Chapter Portfolio. Student grades and progress will be recorded in the Power-Schools system and should be checked regularly to keep up to date on due dates. Students will have 2 periods per week fall semester (Mon-Tues).

Note: Fall Semester, Wednesdays are used as due dates and hand in days. **Spring semester will meet 5 periods per week** (Mon – Fri) to work on BIO online.

Grading Scale and Course Components:

MTCHS Grading Scale

A	=	90 – 100
B	=	80 – 89
C	=	70 – 79
WP	=	0 – 69

Grading Categories:

CH Activities	20%
Online BIO-Labs	20%
CH Electronic Portfolios	20%
Projects	20%
Tests/Quizzes	20%

Grades are earned once a student has completed and demonstrated the specific competencies for a given unit or section of study. Competency activities will be given throughout course which students must pass to earn credit.

Late Work Policy: May be adjusted due to illness, absences or other circumstances that have been communicated.

Students may receive **no more than 70% for any late assignment**. Any missing or late assignment may be submitted up to **two (2) school business days after** the assignment due date indicated in PowerSchool. Exceptions to this policy may be requested by the student in writing or email. The instructor will make the final determination on extension requests and will inform the student of the decision in writing or email. Teacher will determine due date on make-up/redone assignment.

Fall Semester Outline

2 days per week

Unit 1: Nature of Science and Biology
Scope of Biology
Scientific Method and Analysis
Global and Microscopic Scale

Unit 2: Cellular Biology and Structure
Chemicals of Life
Cell Structure
Photosynthesis

Unit 3: Genetics and DNA (If time allows)
Cellular Inheritance
DNA Structure
Genetics

Fall Semester Final Exam



Biology Investigations Online

Each BIO unit will include a variety of activities and assignments to support the online text component and other online materials.

Students are encouraged to check the Moodle BIO portal and their PowerSchools account to keep informed on assignment due dates, requirements and important notices from instructor.

Weekly progress will be required in order to fulfill the requirements and earn the Biology Credit each semester.

Spring Semester Outline

5 days per week

Unit 4: Biological Evolution
Darwin Processes
Biological Diversity

Unit 5: Plant Biology
Diversity of Plants
Plant Structure and Tissue
Plant systems

Unit 6: Animal Diversity
Invertebrates
Arthropods
Mammals close up

Unit 7: Ecology and Biosphere
Global Ecosystem
Community Ecology

Spring Semester Final Exam

This is only a general outline of the semester activities, some elements may be changed to better suit the needs of the students, teacher or course.