

**H.S. Biology
2020/21
Period 1.
B6 Science**

Instructor: Michael McCormick (Mr. M)
Email: mmccormick@gvsd.net
Office: B6 Science
Office Hours: Mon-Thurs 7:30 -8:00; 12:48-1:45.

COURSE OBJECTIVES

Upon completion of the course, the student will:

1. Know and Understand Basic Biological principles.
2. Plan and execute experiments, with scientific writing.
3. Develop Critical thinking skills
4. Understand and use the Scientific method.

Course Materials:

Students are required to bring the following supplies to class every day:

- Daily Science Binder and Lab notebook
- Computer
- Pencil pouch with pencils, pens, highlighter, etc...
- Study Material
- Student Agenda
- Your assignments!
- A good attitude

ATTENDANCE POLICY

Please see GVSD policy:

https://core-docs.s3.amazonaws.com/documents/asset/uploaded_file/299812/3050_Attendance_and_Absence_Procedures.pdf

EQUIPMENT, Materials and Chemicals

Students will be responsible for taking care of and maintaining all equipment. To protect the school's investment in the equipment and for student's safety there will be a zero tolerance policy for misuse of equipment! The first offense will result in a warning and will be documented, continued offenders will lose points for that day.

CLASSROOM RULES

The following must be adhered to in order to provide a safe and effective teaching and learning environment.

1. Students will observe and practice correct and safe science practices at all times!

- Students will never use equipment or materials without teacher supervision.
- 2. All students will be expected to assist and or show respect for their peers.
- 3. Students will show respect for their teacher
- 4. Students will be responsible for returning, cleaning, and putting away all equipment/materials at the completion of each class.
- 5. Students will be responsible for showing up to class in safe and appropriate attire for each class.
- 6. Phones and other distracting electronic devices will not be allowed in the classroom.
- 7. Students will be expected to participate in class activities every day.

Discipline: Adhering to class room rules directly relates to student safety, violation of lab rules could result in serious bodily harm to said student or their peers. For this reason, a strict policy will be implemented. The first offense will result in a warning and will be documented, continued offenders will lose points for the day.

Professionalism: is defined as the skill, good judgment, and polite behavior that is expected from a person who is trained to do a job well. High school is the last stage before you enter a professional setting, as young adults I expect you to act like professionals. This means showing up and being ready for class, treat your peers and myself with respect, and use good judgment at all times in class.

Misuse of equipment/materials: Students will be responsible for taking care of and maintaining all equipment. To protect the school's investment in the equipment and for student's safety there will be a zero tolerance policy for misuse of equipment and materials! The first offense will result in a warning and will be documented, continued offenders will lose points for the day.

Improper attire: Wearing proper attire also relates directly to student safety. Closed toed shoes are necessary for field trips and labs and may affect your grade if unable to participate. Students must have a SEPARATE pair of closed toed shoes with good traction to help avoid safety issues. Students must also have appropriate outdoor attire for field trips.

Participation: By enrolling in this class, students have committed to fully participate in each and every class. Participation is also part of your daily grade.

ACADEMIC INTEGRITY POLICY

This course will adhere to the Academic Integrity Policy of Garden Valley's student handbook and the Student Conduct Code. Academic dishonesty will not be tolerated in any form and, with proper evidence, will result in an automatic F on said assignment or failure of this course.

Any questions or concerns regarding the course should be brought to the attention of the instructor. Students in need of special consideration for a disability should notify the instructor as soon as possible

Grading Policy:

Several factors make up the quarterly grade in Science. In addition to daily classwork, students will have regular homework assignments, quizzes, tests, projects, and laboratory reports to complete. Effort and participation are very important. Students are expected to be on time to class and to come prepared.

I will not accept work that is turned in late (does not include illness), late work may be accepted with prior approval (before due date) and plan for a future due date. I also allow students to raise their test scores by re-taking exams, retakes must be scheduled immediately upon test return and completed with-in one (1) week. The test grades will be averaged together. An assignment checklist may need to be completed before a test re-take. I will allow extra credit at the end of the semester but ONLY to raise a borderline grade.

Tests & Projects	40 %
Quizzes	20 %
Classwork	20 %
Homework	20 %

Students will earn a “Preparation and Participation” grade. Every student automatically starts with (and hopefully stays at) 100 points. For every day that a student comes to class unprepared, or does not participate appropriately, they will lose a maximum of two points.

Grading will be traditional.

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	<60%

**There will be exams and a final exam, dates to be determined soon.*

TENTATIVE COURSE SCHEDULE AND TOPICS

**Schedule is subject to change at the instructor's discretion*

Fall 2020

Week 1: Lab Safety, Scientific Method, Introduction to Biology, Lab notebook

Week 2: The Microscope

Week 3: Biochemistry I

Week 4: Biochemistry II, Review, Exam I

Week 5: Cell Structure

Week 6: Cell Function

Week 7: Enzymes and Reactions of the cell

Week 8: Enzymes and Reactions of the cell, Review, Exam II

Week 9: Photosynthesis

Week 10: Cellular respiration

Week 11: Cell Division: Mitosis and Meiosis

Week 12: Cell Division: Mitosis and Meiosis, Review, Exam III

Week 13: DNA, RNA, and Protein Synthesis

Week 14: DNA, RNA, and Protein Synthesis

Week 15: Mendelian Genetics I

Week 16: Genetics II

Week 17: Final Exams

Spring 2021

Week 1: Lab Safety The History of Life on Earth

Week 2: The History of Life on Earth

Week 3: Evolution

Week 4: Evolution

Week 5: Population Genetics and Speciation

Week 6: Population Genetics and Speciation

Week 7: Classification and Taxonomy

Week 8: Classification and Taxonomy

Week 9: Intro to Ecology

Week 10: Ecology

Week 11: Population Ecology

Week 12: Population Ecology

Week 13: Community Ecology

Week 14: Community Ecology

Week 15: Ecosystems: Energy Flow

Week 16: Recycling of Matter

Week 17: Biomes of the World

Week 18: Humans and the Environment

Week 19: Humans and the Environment

Week 20: Final Exams

Contact information:

Parent Full Name:

E-mail:

Student Full Name:

E-mail:

***E-mail is the best way to reach me. I will do my best to return all emails within 24 hrs.**

Is there anything that would be helpful for me to know?

I have read and agree to the policies in Mr. McCormick's Biology class.

Student signature_____ **Date**_____

Parent signature_____ **Date**_____