

GARDEN CITY HIGH SCHOOL



COURSE: Freshman Biology

INSTRUCTOR: Mrs. Winger

ROOM: F229

PHONE EXT:

EMAIL: awinger@gckschools.com

COURSE DESCRIPTION

Biology is the study of all living organisms and how they interact with their environment. This introductory course is designed to provide students a general overview of biochemistry, cell structure and function, genetics, evolution, ecology, body systems, and classification. Emphasis is given to the development of scientific skills, including developing and using models, obtaining, evaluating, and communicating information, and constructing explanations and designing solutions. Laboratory experiences include microscopic work, technology applications, and basic laboratory skills. The course satisfies the graduation requirement of one unit of Biological Science

COURSE OBJECTIVES

Students will be able to...

- gain valuable and accurate information about biology concepts and issues;
- explain the structure, function, growth and origin of living things;
- understand cell theory, evolution, genetics, homeostasis and human reproduction;
- develop scientific reasoning and process skills;
- work in teams and independently and be able to evaluate his/her progress;
- help prepare students for the demands of higher education.

COURSE OUTCOMES

Students will...

- develop proper laboratory skills;
- be able to explain cell structure, development and function;
- be able to explain how genetics leads to biodiversity;
- understand the concepts of evolution;
- be able to explain the role ecology plays in the health of our planet;
- understand the human reproductive system and how sexually transmitted diseases occur;
- develop writing skills to show comprehension of learned materials;
- develop critical thinking processes and make value judgments.

GRADING PLAN

- All assignments will be graded in a timely manner; however, sometimes life happens and I may get behind. Please be patient!
My grading policy is as follows:
 - If the assignment is marked as a "0", it means I did not receive your assignment or it was handed in after the due date.
 - Late assignments will be accepted for 2 weeks (10 class periods). All late work will be deducted 50% during that time period. No late work will be accepted after 2 weeks (per school policy).
 - If the assignment is marked as a "*", then it means I have your assignment but it has not been graded yet. NOTE: After the due date, Skyward will mark it as missing even though you handed it in. I cannot control this action. Please look for the "*" and not the check mark for missing.
- *I will NOT grade late work on demand to assist with eligibility for sports or other events!*

- Your final grade will be based on a weighted, percentage scale (not point based):
 - 25% Participation (bellwork, lab participation, group work, class discussion, etc.)
 - 25% Assessments (labs, tests, quizzes, etc.)
 - 25% Projects
 - 25% Homework

COURSE OUTLINE

Month	Topics Covered
August	Introduction to Biology and Scientific Method
September	Chemistry of Life
October	Cells and Organelles
November	Cellular Division
December	Cellular Energy Semester Final
January	Genetics
February	Body Systems and Pig Dissection
March	Ecology
April	Evolution
May	Classification Semester Final

CLASSROOM EXPECTATIONS

- **BE RESPECTFUL.** Listen quietly when I am speaking and respect each other's space, materials, and feelings. Raise your hand when you want to contribute to class. At the end of the hour, stay seated in your assigned seat until I dismiss you.
- **BE RESPONSIBLE.** You will need to be responsible for yourself and your materials. This includes a fully charged iPad, class notebook, homework, and writing utensils.
 - Any missed lab will need to be scheduled with me in advance! You'll only be allowed to make-up labs BEFORE school. Please note you have ONE WEEK from the date you return to make-up your lab.
 - No food or drinks will be allowed in the laboratory! Food and drinks are encouraged in the classroom. Any food or drink brought into the classroom should not be a distraction or cause a mess. Please pick up after yourself.
- **BE READY.** Arrive to class on time, be seated in assigned space when the bell rings, and come to class with an open-mind ready to learn. Check the whiteboard daily for announcements, new assignments, and other important information.
- **BE RESPONSIVE.** Actively participate in classroom discussions in a positive manner with comments relative to the subject. If your behavior interferes with the normal classroom activities or with the learning of other students in the class, appropriate action will be taken.

Important Disclaimer: The instructor reserves the right to change the syllabus at any time to meet individual or class needs.

Syllabus Signature Sheet

15 points

Students: Please read the course syllabus and share it with your parents. Please return this sheet by Monday, August 20th, 2018.

I have read the policies and expectations for Mrs. Winger's Freshman Biology class and understand them. If I choose not to meet these expectations, I am willing to accept the consequences.

Student Printed Name: _____

Student Signature: _____

Parent/Guardian Printed Name: _____

Parent/Guardian Signature: _____

Date: _____

Parent/Guardian: We will be using Showbie for all class related happenings, therefore if you'd like to be sent information on how to access your student's portfolio, please provide me your email address on the line provided below:

Comments/Concerns or any helpful information you think I should know:

Get to know more about me and our class happenings by accessing my professional webpage at:
<https://ashleywinger5.wixsite.com/mypage>