

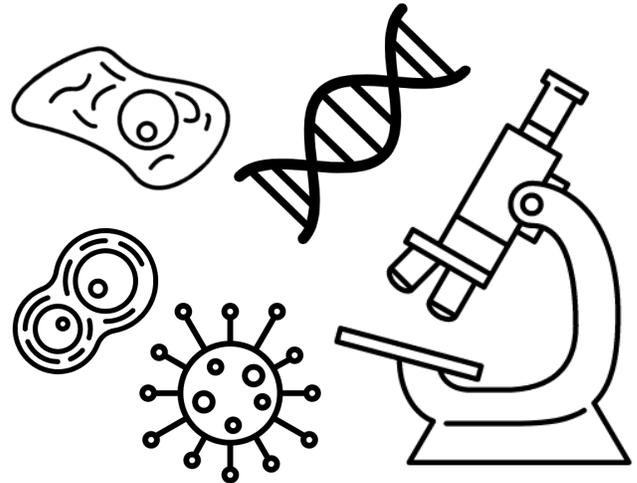
Biology



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welcome

to Biology



Biology is an introductory course designed to explore the nature of the physical world as it relates to the living. This course will focus on the diversity of organisms from their chemical constituents through their ecological roles. In this class there will be an emphasis on activities and laboratory exercises that will promote problem solving, refine laboratory procedure, and strengthen reading, writing and math skills. In this course students will be involved in outdoor field studies and will be encouraged and rewarded for the exploration of personal avenues of interest in science.

expectations



be on time



bring your pencil, paper and Ipad



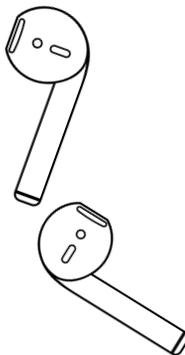
no food or drinks allowed in class



respect yourself, your peers
(this includes opinions and property!)
and school staff & property



take responsibility for your own learning
ie. ask for help on techniques or ideas,
stay focused during work time given



You must ask permission to use cellphones in class.

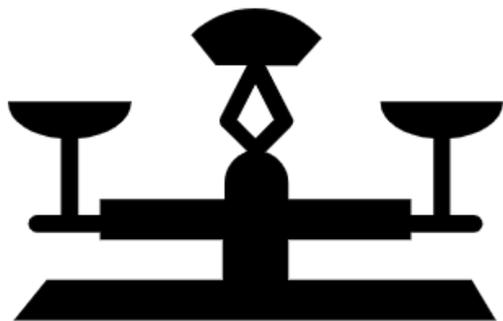
Cell phones must be put away at the beginning of class. On occasion they will be used for class.

You are allowed to listen to music with headphones only during "student work time". You are not allowed to listen during presentations, demos, or any group instruction time.

Airpods may not be worn during instruction. Please remove them from your ears.

Misuse of cell phones or headphones will result in loss of privilege.

cell phone policy



grades

and how they're weighted

30%

FORMATIVE

Formative assessments include, but are not limited to homework, class work, quizzes, practice tests, rough drafts, and sections of projects/ research papers/presentations

Before each activity you will be given a rubric or criteria for the specific assignment.

70%

SUMMATIVE

LABS

Assessments include, but are not limited to unit tests, final projects, final essays, final research papers, and final presentations

DO YOU TAKE RESPONSIBILITY TO COMPLETE YOUR PROJECTS AND LABS ON TIME? EVERY LAB IS EVALUATED BASED ON THE SCIENTIFIC METHOD:



- Procedures and Data Collection
- Graphing and Data Tables
- Observations
- Conclusions with Analysis
- Extension and Application

commonly asked questions

What is the grading scale?

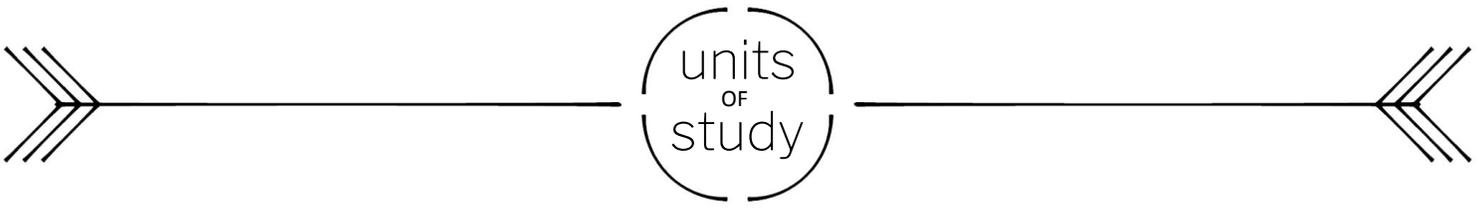
93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
68-69	D+
66-67	D
65	D-
0-64	F

What is the retake policy?

Students are allowed one retake per quiz or unit exam, regardless of the score on the first assessment. Two conditions must be met. First, the student will have successfully completed 80% of the homework from the unit. Second, the retake must be completed prior to taking the next unit exam.

What if I miss a lab day?

If you are absent for a lab day you must notify the teacher. Pre arranged absences on a lab day need to be rescheduled with the teacher. It is your responsibility to notify the teacher before the absence. If you are unexpectedly sick you will lose points until you make it up.



1st Quarter Introduction to Science and Scientific method, Chemistry of life, (Cells): Structure and Function, Photosynthesis

2nd Quarter Cellular Respiration, Cell Growth and Division, DNA and RNA, Proteins Synthesis

3rd Quarter (Genetics)- Heredity, Gene Mutation, Punnett Squares, Pedigrees, (Ecology): The Biosphere, Ecosystems and Communities, Populations, and Humans in the Biosphere

4th Quarter (Evolution and Classification): Mechanisms of Evolution, Speciation, Consequences of Evolution, History of Life, Order in Diversity

We will study 4 major units within the confines of the school year, and within each major unit there will be several lab activities.



Share this syllabus with your parents and let them know what you'll be up to this year, and return with your parent or guardian's signature as well as your own for extra credit. It's important to include your family in your education to ensure you get the help, reminders, and support you need to succeed.

your signature

your parent/guardian's signature