



Biology Honors Syllabus

Name of Instructor: Nancy Stockton

Telephone Number: 580-5300 ext.1361

Room: Science Bdg.157

Conference period: 1st Block

Tutoring: Tue/Thurs 4:00-4:30

Catalog Course Description:

Biology 1 HONORS emphasizes biological concepts at a more extensive and challenging level. The first semester covers laboratory safety and equipment, use of the scientific method, biochemistry, cell structure and function, cellular transport and the cell cycle, DNA and genes, and the basics of genetics and inheritance patterns. The second semester emphasizes evolution, principles of ecology, ecosystems, classification of plants and animals, protists and fungi, viruses and bacteria, body systems, and the dissection of the fetal pig. Rigor will be stressed in all topics to help ensure success on the Biology EOC.

Expectations of Biology I Students:

1. It is expected that you will strive to do your very best in all activities in this class.
2. It is expected that you complete all assignments and turn them in on time.
3. It is expected that you attend class regularly because when you miss school, you miss out on the expectations needed for success in Biology. School-sponsored events are not counted as absences.
4. It is expected that you follow the classroom rules as well as those established as school policy.
5. All instructions given for an assignment are expected to be followed precisely. Grades can be affected for not following instructions (NFI)!
6. It is expected that all terms used in assignments be spelled correctly and completely.
7. It is expected that vocabulary words be defined completely, either according to the definition given in the class notes or in the textbook. Failure to do so will result in the loss of points. You must also include an illustration of each term.
8. It is expected that extra time be spent on laboratory assignments that are not completed during class. The lab is generally open from about 7:45 am until at least 4:30 pm. Additional time can be arranged with the teacher.
9. It is expected that you follow the school policy for make-up work when you have been absent. It is your responsibility to ensure that you get the assignments you missed, not the teacher's.
10. It is expected that when you will miss class due to an extra-curricular absence that you turn in all assignments that will be due during your absence before you leave.



Course Outline:

SEMESTER I	SEMESTER II
Week 1: Introduction to Biology/ Lab Safety /Biochemistry	Week 10: Molecular Genetics-DNA/RNA/Protein Synthesis
Week 2: Biochemistry /Cell Structure and Function Prokaryotes/Eukaryotes	Week 11: Evolution
Week 3: Cell Structure and Function Prokaryotes/Eukaryotes	Week 12: Human Impact Ecosystems and Classification
Week 4: Viruses/Bacteria	Week 13: Protista and Fungi
Week 5: Cellular Processes/Homeostasis	Week 14: Plants Diversity/Structure and Function/Plant Growth, Reproduction, and Response
Week 6: Cellular Transport/ Photosynthesis/ Cellular Respiration	Week 15: Ecology / Review for EOC
Week 7: Cell Cycle	Week 16: EOC Testing/ Levels of Biological Systems
Week 8: Genetics-Patterns of Inheritance And Mendelian Genetics-DNA	Week 17: Human Body Systems/Fetal Pig Dissection
Week 9: Review and Semester Exam (CBA#1)	Week 18: Review and Semester Exam (CBA#2)

Textbook: Texas Biology by Houghton, Mifflin, Harcourt -Digital access is also available

Materials: (for in person instruction)

The following list of materials needs to be brought to class every day.

1. 1.5 inch binder with 5 dividers
2. Blue or black ink pen (for all assignments)
3. Red ink pen (for grading and for corrections)
4. Pencils (ALWAYS)
5. Liquid paper/white out
6. Highlighters/Colored pencils for diagrams
7. Chromebook or student laptop

To help maintain classroom community and laboratory cleanliness, students will be asked to bring ONE of the following items to leave in class:

- Paper Towels
- Clorox Wipes
- Box of Tissue
- Hand sanitizer



Classroom Rules:

The following is a general list of the classroom rules to be followed during the school year. All rules are designed for your safety and the safety of others in a laboratory classroom and for the atmosphere needed to provide all students with a learning environment.

In addition, all rules and regulations set forth by the school district apply to the classroom.

*******IGNORANCE OF THE RULES IS NO EXCUSE!!!*******

Rules:

1. Be in your assigned seat when the bell rings.
2. *NO PHONES!* Mobile devices will be placed in the designated holding area upon entering.
3. Bring all appropriate materials to class. (ie. pencils, pens, notebook, binder)
4. Do not leave the room without permission.
5. No student shall use the bathroom within the first and last 10 minutes of class.
6. No personal grooming during class time.
7. Do not interrupt when someone else is speaking. Raise your hand!
8. No swearing, teasing or yelling in the classroom.
9. Keep hands, feet, and objects to yourself.
10. Rules will be adapted to meet any special circumstances as deemed necessary by the teacher.

Virtual Classroom Rules & Expectations:

11. Students must **be on time**; Log in to the session at least **5 minutes** before.
12. ***Test your technology*** before the session begins & **avoid distractions**.
13. Students must be ***dressed appropriately***; you must be **visually present**.
14. ***Stay in*** the session for the **complete 30-45 min.**
15. **Turn on** your ***cameras*** **BUT** **Turn off** your ***mics*** unless otherwise noted.
16. ***Appropriate discussions*** in the **Chat Box**, no side conversations.
17. All **behavior must conform** to ***school guidelines***.
18. ***Leaving early*** **requires** student **communication** with the teacher.
19. **Attendance** will be **taken twice** throughout the session.
20. ***Daily work*** must be **turned into google classroom**.



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Grade Distribution

60% Major Tests
Presentations
Projects
Reports
Research Papers

40% Lab Reports
Class Work
Quizzes
Binder Checks
EOC practice
Other

I HEREBY AGREE THAT I HAVE READ THE ABOVE INFORMATION AND AM AWARE OF THE CONDITIONS AND EXPECTATIONS SET FORTH BY THE BIOLOGY DEPARTMENT.

STUDENT'S SIGNATURE

PARENT'S SIGNATURE

DATE