

Biology Syllabus Cleveland High School



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Resources:

Textbook: Biology: The Dynamics of Life (2004)
Class Website: mrcappsbio.weebly.com

**Visit the class website often! You will find homework assignments posted as well as links to very helpful resources!*

“Biology” is simply the study of life. The objectives for this course are outlined in the North Carolina Standard Course of Study as follows:

- Bio.1.1** Understand the relationship between the structures and functions of cells and their organelles.
- Bio.1.2** Analyze the cell as a living system.
- Bio.2.1** Analyze the interdependence of living organisms within their environments.
- Bio.2.2** Understand the impact of human activities on the environment (one generation affects the next).
- Bio.3.1** Explain how traits are determined by the structure and function of DNA.
- Bio.3.2** Understand how the environment, and/or the interaction of alleles, influences the expression of genetic traits.
- Bio.3.3** Understand the application of DNA technology.
- Bio.3.4** Explain the theory of evolution by natural selection as a mechanism for how species change over time.
- Bio.3.5** Analyze how classification systems are developed upon speciation.
- Bio.4.1** Understand how biological molecules are essential to the survival of living organisms.
- Bio.4.2** Analyze the relationships between biochemical processes and energy use in the cell.

GRADING

During this semester, students will earn two 9-weeks grades and one final course grade. Progress reports will be issued each three weeks. Visit the calendar on the class webpage for the specific dates report cards and progress reports will be sent home.

9-weeks Grade: %	<u>component</u>	Final Course Grade: %	<u>component</u>
60	Tests*	80	2 report card grades
20	Labs / Activities	20	End of Course Exam
20	Quizzes		(E.O.C.)

* *Students may earn additional test points by completing homework assignments and/or completing online practice quizzes.*

RETEST POLICY

1. All tests are open for retesting.
2. Students scoring below a 60 are required to remediate during Power Lunch as assigned by the teacher.
3. After completing the required remediation, a student has the option to retest. The retest score will be awarded.

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ACADEMIC INTEGRITY

If it's not your work, it's not your grade – NO cheating/ plagiarism will be tolerated! When students collaborate in groups, they are expected to discuss ideas and help each other to clarify their understanding of the concepts. Students may collect data together on labs, but all written answers should be the original thoughts of the student that reflect his/her individual understanding and knowledge. Copying someone else's work is called cheating and is not allowed. Suspected cheating due to talking, cell phone usage, wandering eyes, signaling, etc., will result in all students actively involved given a zero and expected to redo the assignment.

STUDENT MATERIALS

Students should come to class prepared each day with their binder and textbook. Additional recommended supplies include highlighters and colored pencils. *Additionally, each student is expected organize his/her 3-ring binder with dividers according to the sequence of units listed below:*

COURSE OUTLINE

Grading Term	Unit	Text Chapter	Week
1 st	1) Nature of Science	1	1-2
1 st	2) Cells	6, 7	2-3
1 st	3) Cellular Processes	6, 7.2, 8	4
1 st	4) Energy in a Cell	9	5
1 st	Common Assessment #1		6
1 st	5) Mendel & Meiosis	10	6
1 st	6) DNA	11, 13	7-8
1 st	7) Complex Inheritance	12, 13.1	9
1 st	Common Assessment #2		9
2 nd	8) Earth's History & Evolution	14, 15, 16	10-11
2 nd	9) Classification	17	12
2 nd	Common Assessment #3		13
2 nd	10) Microbes	18, 19, 20	13
2 nd	11) Plants	21, 22, 23, 24	12-13
2 nd	12) Animals	25, 33	14
2 nd	Common Assessment #4		14
2 nd	13) Ecology		15-16
2 nd	E.O.C. Review		16-17
	FINAL EXAM		18