

WHS Biology Syllabus

CONTACT INFORMATION:

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COURSE DESCRIPTION:

The biology curriculum is designed to continue student investigations and deepen student understanding of the biological sciences. This will include concepts introduced in previous learning at more abstract levels. In-depth study of the following concepts are included: the cell, the molecular basis of heredity, biological evolution, the interdependence of organisms, matter, energy and organization in living systems, and the adaptive responses of organisms. The course is designed to encourage students to learn the standard course of study objectives that are set by the state of North Carolina.

NC DPI Essential Standards -

[LINK](#)

NC Biology Unpacking Guide -

[LINK](#)

Glencoe Online Textbook -

[LINK](#)

UNITS COVERED:

	<i>Topic</i>	<i>Standards</i>	<i>Pacing</i>
1	Intro & Biomolecules	4.1	14 days
2	Cellular Structure & Function	1.1, 1.2,	11 days
3	Cellular Transport & Energy	1.2, 4.2	11 days
4	Cell Reproduction & Mitosis, DNA & Protein Synthesis	1.2, 3.1	10 days
5	Genetics & Biotechnology	3.2, 3.3	15 days
6	Evolution & Animal Behaviors	3.4, 2., 3.5	12 days
7	Ecology	2.1, 2.2	9 days
8	EOC Exam Review		4 days

INSTRUCTIONAL WEBSITES

Amoeba Sisters YouTube: <https://www.youtube.com/user/AmoebaSisters>

Khan Academy HS Biology: <https://www.khanacademy.org/science/high-school-biology>

Cells Alive: <https://www.cellsalive.com/>

Learn Genetics, University of Utah: <https://learn.genetics.utah.edu/>

HHMI Biointeractive <https://www.biointeractive.org/>

Rader's Biology 4 Kids: <http://www.biology4kids.com/>

Science Review Games: <https://reviewgamezone.com/site/subjects/science-review-games.php>

PBS Evolution Site: <http://www.pbs.org/wgbh/evolution/>

Nova Cracking the Code of Life: <https://www.pbs.org/wgbh/nova/body/cracking-the-code-of-life.html>

GRADING INFORMATION:

Grades will be given every 9 weeks and will be based on laboratory work, assignments, quizzes, tests and projects. The percentages are as follows:

Academic

40% - Tests
35% - Classwork
15% - Quiz
10% - Homework

Honors

50% - Tests
25% - Classwork
15% - Quiz
10% - Homework

The grading percentages for the entire semester will be as follows:

Third quarter =40%

Fourth quarter =40%

Final Exam (EOC) =20%

Grading Scale: **A = 100-90**, **B = 89-80**, **C = 79-70**, **D = 69-60**, **F = 59 or below**.

MATERIALS:

Students will need notetaking materials including, but not limited to, a notebook / notebook paper, pencils / pens, highlighter(s), colored pencils.

It is very important that all students have access to a desktop computer / laptop and reliable Wifi throughout the semester. If you do not have access to a personal device, you will receive one from the school at the beginning of the school year.

CLASS EXPECTATIONS:

1. Be **respectful** of your teacher, your peers, and yourself.
2. Be **prepared**. Have all the materials ready for class and be in your seat when the bell rings.
Students are also expected to turn phones off and put phones away during class time.
3. Be **positive**. Maintain positivity about the course material and about Wakefield High School.
4. Be **focused**. Work quietly and at a moderate noise level when allowed to work in groups.

Cell phones :

Please put them on the wall in the cell phone nursery daily when you enter. You will be able to keep an eye on your "baby" during class.

If you get caught on your phone.

1st time- Warning: Place it in the nursery.

2nd time- It will be taken until the end of the day.

3rd time- A parent will be called for the phone to be picked up.

ANY NONCOMPLIANCE-ADMIN will be Called!

#ItsAllAboutTheW

As we return this semester, the responsibility each student must take for their own education is greater than ever before! Your attendance is imperative to your success in this course.

Please be respectful, diligent and feel free to ask questions any time!



REMEDIATION:

Tests will be given at the end of each unit on **SchoolNet** and will test proficiency of the topics covered. The goal of our PLC is for all students to master the content and standards. Students will have the opportunity for test remediation and earn **up to** an 80%, the level for mastery.

MAKE-UP WORK:

Late work due to an excused absence will follow the WCPSS make up work policy:

Assignments assigned prior to an absence will be due upon return; this includes tests scheduled for the day of the return. If the make-up work has not been assigned in advance, for absences of 1 to 3 days, the student will have a minimum of 1 day for each absence to complete missed assignments. For absences exceeding 3 days, the student will have a minimum of 2 days for each absence to complete assignments.

Students will receive full credit for all make-up work following an excused or unexcused absence as long as the work is completed within the time limit according to teacher expectations and for unexcused absences as long as remediation has been attended to complete the assignment. Special consideration should be given in the case of extended absences due to injury or chronic illness.

LATE WORK:

Academic Courses - All students receiving academic credit for a course have the opportunity to recover grades through completing alternative assignments to demonstrate mastery, turning in missing work, and/or completing retests. Students will earn a minimum of 70% of the grade they would have received if turned in on time. Teachers do not have to accept late work after one (1) week prior to the end of the quarter.

Honors Courses - All students receiving honors credit for a course have the opportunity to recover grades through completing alternative assignments to demonstrate mastery, turning in missing work, and/or completing retests. Students will earn a minimum of 60% of the grade they would have received if turned in on time. **Late work is due two days after the end of the unit assessment.**

Honor Code:

WCPSS Honor Code Policy WCPSS Honor Code Policy (4310) states: "Academic honesty is essential to excellence in education and is directly related to the Board's educational objectives for students to promote integrity and self-discipline in students. As all schoolwork is a measure of student performance, academic honesty facilitates an accurate measurement of student learning. Each student, parent, family and staff member have a responsibility to promote a culture that respects and fosters integrity and honesty. Academic integrity and honesty require that all stakeholders share responsibility in the fulfillment of this policy. In fulfilling these responsibilities: 1) students will collaborate with their peers to foster a culture of academic integrity; refrain from participating, either directly or indirectly, in any form of cheating or plagiarism; and adhere to the honor code; 2) parents and family will actively support the honor code by encouraging their child(ren) to foster and uphold a culture of academic integrity; 3) staff will establish and annually teach expectations regarding academic integrity and honesty; and promote the honor code. Prohibited Behavior includes, 1) Cheating an academic deception where a student intends in some way to receive or attempt to receive credit for work not originated by the student, to give or receive unauthorized assistance, or to give or receive an unfair advantage on any form of academic work; 2) Plagiarism is using passages, materials, words, ideas, and/or thoughts of someone or something else and representing them as one's own original work without properly crediting the source; 3) Falsification or Deceit: Intentional acts of falsification or serious deceitful misconduct that threaten the health, safety, or welfare of others, or that cause a substantial detrimental impact on school operations or other individuals are prohibited.

Wakefield Honor Code:

The students of Wakefield High School are committed to being honest and responsible in the completion of academic materials and interactions with the school administration and community. Cheating, stealing, plagiarism (passing off another's work, words, or ideas as one's own), and lying (including willful distortion or misrepresentation) are considered violations of the Honor Code. Through a joint fulfillment of this code, students and faculty will achieve their fullest potential in academic excellence and character.

1. Biology is a required course for high school graduation.

Let's do it right the first time!

2. Biology is an EOC tested subject.

I will prepare you!

3. Biology is life.

Literally.
