



BARNEGAT TOWNSHIP SCHOOL DISTRICT

Barnegat High School CP Biology - Syllabus

Course Information	Teacher Information
CP Biology	Mrs. Madisyn Raguz
Full Year	Raguz Phone: 609-660-7510 ext. 73102
Class Location: Room C102	Email: mraguz@barnegatschools.com
	Teacher Website: link on google classroom OR found on BHS website → Departments & Staff

Course Description:

The core content of this course is focused on the use of life science principles as powerful conceptual tools to make sense of the complexity, diversity and interconnectedness of life on earth. Students engage in laboratory and authentic learning experiences that encourage the application of biological knowledge to make decisions and solve problems. This laboratory course is designed to increase students' appreciation of living organisms in our environment. The scope and sequence of this course includes the fundamental properties of life, the cell as the structural and functional unit of living things, a survey of the diversity of life, genetics, and evolution.

Course Competencies/ Learning Objectives

Students who successfully complete CP Biology will be competent in the following areas:

- Students will be able to understand, evaluate, and practice safe procedures for conducting scientific investigations.
- Students will be able to integrate scientific information from a variety of disciplines to provide evidence for the relatedness of species on Earth (geology, comparative anatomy, biochemistry, embryology and taxonomy).
- Students will be able to explain how the millions of different species on Earth today are related by common ancestry.
- Students will be able to define and apply the principles of natural selection.
- Students will be able to describe how evolution involves change in the genetic makeup of whole populations over time, not changes in the genes of an individual organism.

Course Texts / Online Resources

Textbook: Miller & Levine Biology, 2018

Companion Website: Pearson Realize

Google Classroom Codes	
Period 4A	2qrg6us
Period 2B	fn5h6j6
Period 3B-1	nwelqns

Required Materials

Bring all items to class every day!

- FULLY charged Chromebook and charger
- 3 ring binder (2 inch - ONLY FOR SCIENCE) & folder
- Pen or pencil

Attendance Policy

Regular and prompt class attendance is an essential part of the educational experience. The Barnegat Township School District expects students to be responsible and exercise good judgment regarding attendance and absences. Students accept full responsibility for ensuring that they complete any/all work missed due to absences.

Course Topic Outline

Please find a list of the units for this course:

Content Area: Science	
Course Title: CP Biology	Grade Levels: 9 & 10
Unit 1: Biological Evolution: Unity & Diversity	20 Days
Unit 2: From Molecules to Organisms: Structure & Function, Matter & Energy	30 Days
Unit 3: Heredity: Inheritance & Variation of Traits	30 Days
Unit 4: Ecosystems: Interactions, Energy & Dynamics	10 Days

Student Grades

The grading system for this course is based on the category weights listed in each department's policy. For this course, those weights are listed below.

Each marking period, students will have a minimum of three (3) Major Assessments and seven (7) Minor Assessments (explained below). Course Participation is assessed twice (2x) per marking period using the district rubric. Benchmark assessments will be recorded in Genesis for marking periods 1, 2 and 3.

Major Assessments	50% of marking period grade
Minor Assessments	30% of marking period grade
Course Participation	15% of marking period grade
Benchmark Assessments	5% of marking period grade

Please note: the above areas are used as the basis for 80% of your grade for the course; the Midterm and Final exam will constitute the remaining 20% of your grade.

- Examples of Major Assessments include items that are summative in nature, such as: tests, projects, research papers, prose-constructed response timed writings, formal presentations, reports, Socratic seminars, or any other type of assessment used to capture evidence of learning at the culmination of a unit of study. **Please speak to your teacher about the opportunity for earned Second Chances on certain Major Assessments.**
- Examples of Minor Assessments include items that are formative in nature, such as: science starters, quizzes, CER, lab analysis, reading comprehension checks, response journals, exit tickets, small-scale research activities, reading logs, in class worksheets, or any other type of assessment that is diagnostic in nature and used to guide instruction and provide ongoing feedback to students.
- Note: grades for individual assignments are entered into Genesis for the marking period in which the assignment is collected, and not a subsequent marking period.
- Extra Credit will only be available for assignments that have been approved ahead of time by the teacher and department supervisor.
- **In this course, it is expected that students will submit only their best work, and teachers reserve the right not to accept work that is substantially below what a student is capable of producing.**

Course Participation Rubric

	Academic Social Skills	Readiness to Learn / Study Skills	Class Discussions	Classwork	21st Century College and Career Readiness
	<p>20 points</p> <ul style="list-style-type: none"> - Takes initiative in completing tasks in the online classroom. - Communicates needs to the teacher in an appropriate manner. - A role model for others in the online classroom. - Appropriately seeks support and/or assistance from the teacher. 	<p>20 points</p> <ul style="list-style-type: none"> - Produces notes and other materials that demonstrate effort and insight. - Is motivated and takes ownership of his/her learning. - Takes steps to better himself/herself through Google Meets, emailing, etc. 	<p>20 points</p> <ul style="list-style-type: none"> - Consistently completes the assigned discussion questions and rarely misses a question, if at all. - Responses consistently reflect high levels of care and pride in work. - Replies and interacts with peers in a meaningful manner. 	<p>20 points</p> <ul style="list-style-type: none"> - Consistently completes assigned tasks in a timely manner. - Actively participates in classroom activities on a daily basis. - Contributes to class discussions in a meaningful way (asking questions or adding to class discussion). 	<p>20 points</p> <p style="text-align: right;">Student <u>consistently</u> shows the following:</p> <ul style="list-style-type: none"> - Responsible and contributes to our online community. - Clearly and appropriately communicates with the teacher via email. - Understands the consequences of actions. - Responsibly uses technology.

	<p>15 Points</p> <ul style="list-style-type: none"> - Completes tasks in the online classroom. - Sometimes communicates needs to the teacher. - Frequently on-task, but may need some redirection from the teacher. 	<p>15 Points</p> <ul style="list-style-type: none"> - Often produces notes and other materials that demonstrate effort, but may also require direction. - Is mostly motivated and takes ownership of his/her learning. - Often takes steps to better himself/herself through Google Meets, emailing, etc. 	<p>15 Points</p> <ul style="list-style-type: none"> - Frequently completes the assigned discussion questions, but may have missed a few. - Responses sometimes reflect high levels of care and pride in work, but not always. - Replies and interacts with peers. 	<p>15 Points</p> <ul style="list-style-type: none"> - Usually completes assigned classwork tasks. - Frequently participates in classroom activities but sometimes requires re-direction. - Usually contributes by responding, and/or asking questions. 	<p>15 Points</p> <p style="text-align: right;">Student <u>frequently</u> demonstrates the following:</p> <ul style="list-style-type: none"> - Responsible and contributes to our online community. - Clearly and appropriately communicates with the teacher via email. - Understands the consequences of actions. - Responsibly uses technology.
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	<p>10 Points</p> <ul style="list-style-type: none"> - Rarely completes tasks in the online classroom. - Does not communicate needs to the teacher. - Frequently needs re direction from the teacher. 	<p>10 Points</p> <ul style="list-style-type: none"> - Produces notes and other materials that lack effort to learn. - Unmotivated and does not take ownership of his/her learning. - Does not take appropriate steps to better himself/herself. 	<p>10 Points</p> <ul style="list-style-type: none"> - Rarely completes the assigned discussion questions. - Responses do not reflect care and pride in work. - Little to no replies and interactions with peers. 	<p>10 Points</p> <ul style="list-style-type: none"> - Rarely completes assigned tasks and does not produce his/her best work. - Usually does not participate in classroom activities and often requires teacher re-direction - Usually does not contribute by responding and/or asking questions. 	<p>10 Points</p> <p>Student rarely demonstrates the following:</p> <ul style="list-style-type: none"> - Responsible and contributes to our online community. - Clearly and appropriately communicates with the teacher via email. - Understands the consequences of actions. - Responsibly uses technology.
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Plagiarism, Cheating, and Academic Integrity

The Barnegat Township School District places a strong emphasis on students’ integrity, and the district will not tolerate instances of academic dishonesty. Plagiarism is the practice of copying words, sentences, images, or ideas for use in written or oral assessments without giving proper credit to the source. Cheating is defined as the giving or receiving of illegal help on anything that has been determined by the teacher to be an individual effort. Both are considered serious offenses and are subject to consequences described in the Student Handbook and Board Policy #5701.

Honor Code

The purpose of this Honor Code is to communicate the meaning and importance of academic integrity to all members of the school community and to articulate and support the interest of the community in maintaining the highest standards of conduct in student learning. Barnegat High School embodies a spirit of mutual trust and intellectual honesty that is central to the very nature of learning, and represents the highest possible expression of shared values among the members of the school community. The core values underlying and reflected in the Honor Code are:

Academic honesty is demonstrated by students when the ideas and the writing of others are properly cited; *students submit their own work for tests and assignments without unauthorized assistance; students do not provide unauthorized assistance to others; and students report their research or accomplishments accurately.*

Respect for others and the learning process to demonstrate academic honesty.

Trust in others to act with academic honesty as a positive community-building force in the school

Responsibility is recognized by all to demonstrate their best effort to prepare and complete academic tasks.

Fairness and equity are demonstrated so that every student can experience an academic environment that is free from the injustices caused by any form of intellectual dishonesty.

Integrity of all members of the school community as demonstrated by a commitment to academic honesty and support of our quest for authentic learning.

This Honor Code summarizes the Honor Policy, which defines the expected standards of conduct in academic affairs. The student body and faculty at Barnegat High School will not tolerate any violation of the Honor Code.

Any violation of the Honor Code will result in Administrative Consequences and be detrimental to student grade.

Group Work Policy

In science, it is important that students work & communicate in groups. Students are allowed to discuss & come to an agreement on answers to questions as a group. In those instances, students are expected to verbally discuss the question(s), their conclusion and the process in which they arrived at that conclusion. Identical written responses will be considered copying/cheating. Giving or asking for answers without a discussion or asking to copy another student's answers is considered cheating. Any students that are caught cheating will receive a zero on that assignment & parents will be called.

Student Expectations

All school rules and policies apply to this class.

Classroom Expectations:

1. To treat yourself and all others with respect.
2. To attend and participate in class regularly.
3. To be cooperative and assist others in learning.
4. To study and do the work assigned.
5. To learn and master the required content.

Classroom Procedures:

A. Meet learning expectations

1. Establish a routine; get the information firsthand
2. Follow the rules of good listening etiquette
3. **NO CELL PHONES!**

B. Be present, punctual and prepared for class every day both in person and virtually

1. Stay in your seat unless directed to move for an activity
2. Bring your **charged** Chromebook & charger to all classes
3. Check Google Classroom for assignments and announcements, even when absent

C. Turn in assignments on time

1. Make sure you TURN IN on Google Classroom
2. Late work will be accepted up till the assigned MAJOR date for that chapter or unit. It will not be accepted after the major is completed.
3. A missing work form found on Google Classroom must be completed for late work to be graded. Please give 24-48 hours for the grade to be updated.
3. If you are absent **it is your responsibility to get the work!** Check Google Classroom and reach out to your teacher with any questions.
5. Attempt to answer every question on every assignment. No credit will be given otherwise!

D. If you're experiencing any problems, come see me or email me right away! Don't hesitate!

E. Ask questions if you are unsure about something!

F. **Safety is most important!**

Cell Phone Policy

No cell phone policy in my classes this year. I understand that cellphones have become a way of life, however, in school, cell phones have become a distraction, interruption, and a method of inappropriate exchange of information.

Extra Help and Support

Occasionally, students will require additional help to master the content and skills in this course.

If you need additional help, there are a variety of options for you, including:

- Before/after school help sessions in person or via Google Meet - must be scheduled with me
- Peer tutoring from NHS students
- Free online tutoring with Brainfuse (available from the Barnegat Library website)

As your teacher, I am committed to your success. If you need help, please ask!

I have read and understand the syllabus for Biology.

_____ Student
Signature Print Name

_____ Parent/Guardian Signature Print Name