

Honors Biology I
Gatlinburg-Pittman High School



Contact Information

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Text

- *Biology*, by Kenneth R. Miller & Joseph S. Levine ©2019.

Required Supplies

- Pencils and blue or black pen,
- Highlighter
- A box of colored pencils (12+ count)
- 2" three ring binder & 4 tab dividers
- Loose leaf notebook paper
- 3 ring pencil pouch and sharpener recommended for colored pencils

Course Overview

- Honors Biology I is a laboratory science course that investigates the science of life. Students will better understand their role in preserving the natural environment and sustaining life on Earth as they study the relationship between the biotic and abiotic components in the environment and mechanisms that lead to population changes over time. Students will study the relationship of form and function from the cellular level to organisms and systems. Students will take an inquiry-based approach through hands-on learning, academic articles and research.
- Tennessee's Biology I standards can be found at the following url:
https://www.tn.gov/content/dam/tn/stateboardofeducation/documents/massivemeetingsfolder/meetingfiles4/10-20-17_III_J_Non-Substantive_Changes_to_Math_ELA_Science_Standards_Attachment_3_-_Science.pdf (pages 58-62)

Major Projects/Field Trips

- Research/presentation assignments
- Earthworm, Squid, and Frog Dissections

Grading

Per Sevier County Board of Education policy each student's grade for this course will be comprised of the following:

- 2/3 of grade – Daily work which includes homework, in-class work, and quizzes
- 1/3 of grade – Test grades which includes chapter tests, six weeks tests, and presentations
- Deductions will be made for unexcused absences and tardies.
- The TN Ready end of course exam and will count as 25% of the student's final grade for the course when averaged with the grades from each marking period.
- Students and parents can have access at all times to current grading information via Skyward.

Course outline

- We will have 18 weeks to finish this tentative course outline. Students will receive a monthly calendar to note when work is assigned and due, as well as when quizzes and tests are scheduled.

Chapter 1 The Nature of Life
Chapter 3 The Biosphere
Chapter 4 Ecosystems
Chapter 5 Populations
Chapter 6 Communities and Ecosystem Dynamics
Chapter 7 Humans and Global Change
Chapter 2 The Chemistry of Life
Chapter 8 Cell Structure and Function
Chapter 9 Photosynthesis
Chapter 10 Cellular Respiration
Chapter 11 Cell Growth and Division
Chapter 12 Introduction to Genetics
Chapter 13 DNA
Chapter 14 RNA and Protein Synthesis
Chapter 15 The Human Genome
Chapter 16 Biotechnology
Chapter 17 Darwin's Theory of Evolution
Chapter 18 Evolution of Populations
Chapter 20 History of Life
Chapter 19 Biodiversity and Classification
Review for End of Course Exam

Grading Policy:	<u>% Range</u>	<u>Grade/QP</u>
	A = 93-100	4.0
	B = 85 - 92	3.0
	C = 75 - 84	2.0
	D = 70 - 74	1.0
	F = 0 - 69	0.0

Parental Access to Instructional Materials

- Pursuant to Tennessee Code 49-6-7003, parents or guardians may request access to any teaching materials, instructional materials, and other teaching aids used in the classroom as well as any tests developed or graded by the teacher. In order to facilitate this request, parents/guardians are asked to submit a request for such review via letter, email, or phone conversation prior to an established meeting for said review.

Please keep this portion of your syllabus in your science folder/notebook