

...Home of the Patriots...



Biology

10th grade

Miss Alexis Nelson

Course Syllabus 2022-2023

Course Description and Objectives

Biology examines life's organization at all levels from cells to the biosphere. Energy as it is transformed from one form to another as it flows through organisms and ecosystems. The growth and reproduction of organisms to ensure species survival. Finally, the survival and stability required by living things by maintaining a biological balance at all levels.

Instructional Philosophy:

The instructional themes will be presented in a way that students will realize the importance of biology in future courses as well as in everyday life. Students are expected to be engaged in course work as well as discussions. Formative assessments will be imbedded throughout each unit to check on student knowledge and to adjust (when needed) instruction to better assist students and their needs. Assessments (Summative) will be administered after content/chapters/standards are mastered by students. This will be achieved through individual and group activities including labs.

Major Course Goals:

Major course goals are the Georgia Standards (GSEs) that will give a student the ability to use reasoning and thinking skills to learn and understand the standards/objectives in Biology as well as other curriculum objectives. Mastering standards/objectives will not only prepare students for the EOC but also in life and the work place.

Textbook

Miller & Levine Biology (Parrot Covered book)

Unit/Concept Names

Unit 0: Think Like a Scientist

Unit 1: Cell Structures & Transport

Unit 2: Cellular Processes (*Photosynthesis & Respiration*)

Unit 3: DNA/RNA & Protein Synthesis

Unit 4: Cellular Processes (*Sexual reproduction, Meiosis, & Genetics*)

Unit 5: Classification

Unit 6: Evolution

Unit 7: Ecology

REVIEW and Standardized Testing (EOC)

Major Course Projects and Instructional Activities

At least one project will be assigned each semester. This will be an extension or enrichment of the concepts discussed. Students will have 1 to 3 weeks to complete each project depending on the complexity of the task. Some tasks and/or projects will be completed in class (specifically the unit culminating tasks – these MUST be completed in class only).

Course Assessment Plan

Students will receive a variety of assignments designed to enhance their learning. If a student is absent, the student is responsible for the missed assignment. Students who have an excused absence will be allowed five days to turn in the missed assignment. No work will be accepted after five days.

Evaluation (Grading Policy)

- Major Grades (Unit & Chapter Test, Projects, Tasks) - 40%
- Minor Grades (Quizzes, Class work, Graded Writing Assignments, Group Work, etc.) - 60%

The EOC @ the end of the year will make up 20% of the final grade!! (The major/minor grade average will make-up 80% of the final grade.)

Classroom Procedures & Expectations

The overarching expectation in this class is to represent WAR (W, Accountable, Respectful)

Below are the expectations for how to W.A.R. in Mrs. Pearson's class!

1. Always Try YOUR BEST!!! I will not settle for anything but your best!!
2. Have the "I can do it" attitude! Stick To It and Don't Give Up!
3. Remain SEATED and PREPARED at all times. Cellular Devices put away...
4. Bring ALL materials to class DAILY.
5. Every student is responsible for helping to maintain a clean, safe learning environment. Your area must remain CLEAN at all times. The floor should be clear of trash, paper, and personal belongings.
6. Adhere to all policies, rules, and regulations outlined in the student handbook, and RCSS Code of Conduct.

Course Materials

- * three-pronged binder for notebook w/ dividers
- * pen or pencil
- * coloring utensils (coloring pencils and/or markers)
- * paper (notebook)
- * textbook (bring to class everyday unless authorized differently)

** lab supplies will be supplied by teacher!

My contact information:

Email: nelsoal@richmond.k12.ga.us

Remind messages: Biology - bio118whs

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I have read the above class outline/syllabus for Biology and understand. If so, please sign and date in the appropriate space.

_____/_____
Student's signature Date

_____/_____
Parent's signature Date