**Biology/H. Biology**

**9th & 10th grade**

**Mr. Jon Zumbro**

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

Unit 1: Cell Structures & Transport Unit 5: Classification

Unit 2: Cellular Processes *(Photosynthesis & Respiration)* Unit 6: Evolution

Unit 3: DNA/RNA & Protein Synthesis 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 Mr. Zumbro’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: [–  **zumbrjo@boe.richmond.k12.ga.us**](mailto:–%20%20zumbrjo@boe.richmond.k12.ga.us)

Remind messages: Biology - [129bio](https://www.remind.com/classes/129bio/people)

Honors Biology - [129hbio](https://www.remind.com/classes/129hbio/people)

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

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Student’s signature Date

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Parent’s signature Date