

BIOLOGY CLASSROOM EXPECTATIONS

ROOM: 319 - Tech Building

INSTRUCTOR: (Mrs.) La Tanya Barner Jones

COURSE OVERVIEW

Biology is the study of life. It entails the curiosity and search for understanding of everything that is, or was once, alive. Living things include plants, animals and microorganisms.

The word "biology" is a derivative of the Greek words "bios" (meaning life) and "logos" (meaning "study"). It is standard that biologists study the structure, function, growth, origin, evolution and distribution of living organisms.

By the end of this course, you will have a rich understanding of how important Biology is and how it helps us understand how living things work, how they function and how they interact on multiple levels. You will study the vital processes living things go through and the connection to the physiochemical aspects of all life.

CLASS REQUIREMENTS:

Students are responsible for completing homework, class and lab assignment, as well as quizzes and tests. One county- wide assessment test will be given per 9 weeks to be completed by the student in a designated period of time. Students are expected to keep notebooks including a 5-minute quiz section and lab notebooks that will be checked periodically.

BEHAVIORAL AND CLASSROOM EXPECTATIONS:

- Student handbook and conduct guidelines will be followed at all times.
- No food or drinks allowed in the classroom.
- Instructor will dismiss class, not the bell.
- Respect and responsibility will be displayed at all times.
- Students are to be prepared daily for class at the sound of the tardy bell.

Students will be held accountable for their actions.

LATE and MAKE-UP WORK POLICIES:

When a student is absent from school, he/she is allowed to make up any missed work within 5 days of returning to school. It is the responsibility of the student to request make-up work from the teacher. Failure to follow these guidelines will result in a grade of 0 for each assignment not completed or turned in.

MATERIALS NEEDED FOR CLASS:

Textbook - Pen and pencil -3-Ring binder - An open mind

GRADING:

Grading

- | | | | |
|---|-------|---|---------|
| • Summative Assessment (Tests & Project) | * 40% | A | *90-100 |
| • Benchmark Assessment/Final Assessment | * 20% | B | * 80-89 |
| • Formative Assessments(quizzes, labs, class participation, & homework) | * 40% | C | * 70-79 |
| | | D | * 60-69 |
| | | F | * 0-59 |

Semester Exam (20%) + Nine Weeks Average (80%) = Final Grade (100%)

COURSE SYLLABUS AND FRAMEWORK

Science Standards of Learning Curriculum Framework 2018 Biology, S.Y. 2022-2023

	SOL Standard	Target Week	Instructional Materials
Bio. 1	<p>Bio.1 The student will demonstrate an understanding of scientific and engineering practices by</p> <ul style="list-style-type: none"> a. asking questions and defining problems b. planning and carrying out investigations c. interpreting, analyzing, and evaluating data d. constructing and critiquing conclusions and explanations e. developing and using models f. obtaining, evaluating, and communicating information 	=Ongoing= Integrated throughout the semester.	<p>Nearpod, Powerpoint Presentation, Video Clips, Google Classroom, Google Forms, Quizizz, Kahoot, Virtual Virginia, Mastery Connect,</p> <p>Edpuzzle Videos SOL Blitz</p>
Bio. 2.	<p>The student will investigate and understand that chemical and biochemical processes are essential for life. Key ideas include</p> <ul style="list-style-type: none"> a) water chemistry has an influence on life processes; b) macromolecules have roles in maintaining life processes; <p>Bio.5. The student will investigate and understand that there are common mechanisms for inheritance. Key ideas include</p> <ul style="list-style-type: none"> a) DNA has structure and is the foundation for protein synthesis; Bio.2. d) protein synthesis is the process of forming proteins which influences inheritance and evolution; and Bio.2.c) enzymes have a role in biochemical processes; Bio.2.e) the processes of photosynthesis and respiration include the capture, storage, transformation, and flow of energy. 	Week 1-3	
Bio.3	<p>The student will investigate and understand that cells have structure and function. Key ideas include</p> <ul style="list-style-type: none"> a) the cell theory is supported by evidence; b) structures in unicellular and multicellular organisms work interdependently to carry out life processes; c) cell structures and processes are involved in cell growth and division; d) the structure and function of the cell membrane support cell transport; and e) specialization leads to the development of different types of cells. <p>Unit/Benchmark Assessment</p>	Week 4-6	
Cover Standard			
Bio. 4	<p>Bio. 4. The student will investigate and understand that bacteria and viruses have an effect on living systems. Key ideas include</p> <ul style="list-style-type: none"> e) the germ theory of infectious disease is supported by evidence. a) viruses depend on a host for metabolic processes; b) the modes of reproduction/replication can be compared; c) the structures and functions can be compared; 	Week 7-9	

SOL SCORE/FINAL EXAM

The secondary and end-of-course policy states that the SOL test will be the final exam for core classes that offer it. The exam grade will be based upon the SOL score using the following scale unless the student falls in the category where they are required to take the class exam for an improved score.

<u>SOL Score</u>	<u>Final Exam Grade</u>	<u>SOL Score</u>	<u>Final Exam Grade</u>
600 – 400	100	399 – below	required to take the class for an improved score

To allow us to maintain an open line of communication, please feel free to contact me using the following email address, by calling the school, or checking posts Google Classroom. This will allow you to ask questions or check on the performance of your child when feasible. I will try get back to you within the day!

Thank You,
Mrs. LaTanya Barner Jones

Email: jonesl@brunswickcps.org

Google Classroom code#: _____

School Phone Number: 434.848.2716

Student Signature _____ ***Date*** _____ ***Block*** _____

Parent/Guardian Contact Sheet

Please complete and sign the form below and return as soon as possible. This will verify that you and your child understand the expectations as well as better enable me to contact you with news and updates concerning your student's progress throughout the semester.

Parent/Guardian Name: _____

Relation to the Student: _____

Student Name: _____

What is the best way to get in touch with you?

Phone Email Mail

What number, email, or physical address should I use to contact you?

Home phone: _____

Cell phone: _____

Home address: _____

E-mail address: _____

When is the best time to contact you?

Before School After School Evening

Please share any special concerns or questions(such as allergies, study habits, or learning styles).

Parent Signature _____ **Date** _____

Student Signature _____ **Date** _____