Luther Burbank High School
Freshman Biology Syllabus

Instructor: ***Mr. C. Sanchez***: csanchez3@saisd.net
Grade Level: *9th Grade Biology,*

Tutoring: *7:45 am and 4: 30 pm*
Room: **1112**

Course Description:
This course in biology will allow our students to better understand their relationship to the "living world" around them. This course covers the important aspects of biology related to a variety of topics that include: the characteristics of living things; structures and functions of cells and viruses; growth and development of organisms: cells, tissues, and organs; nucleic acids and genetics: biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants, animals and the environment. While studying each of the various topics, students will have a specific approach to the subject in laboratory experiments.

Materials:
Textbook: Pearson: Miller & Levine - Biology
Composition Book
Pen and pencil
Color Pencils, Glue stick, Crayons, Scissors

Course Outcomes:
The students will be able to:
- demonstrate safe practices during laboratory experiences while applying the scientific method.
- understand the contribution that biology makes to society.
- describe four principle classes of organic compounds and explain how these compounds are essential for life
- describe levels of organization found in multicellular organisms: cells, tissues, organs, and organ systems.
- identify, draw, and create models of the parts of prokaryotic and eukaryotic cells
- describe the central principles in cell theory, and the research that led to modern cell theory.
- compare and contrast plant and animal cells.
- outline DNA nucleotide structure in terms of sugar (Deoxyribose), base and phosphate
- build models of DNA accompanied by an explanation of the functions of each of the parts,
- explain how a DNA double helix is formed using complementary base pairing and hydrogen bonds
- define and use models of DNA and RNA to illustrate replication, transcription, and translation
- investigate transcription and translation, coding for amino acids, and protein synthesis

Attendance Class Policy: ***BE ON TIME***

Tardies:
Tardies are unacceptable unless excused by the attendance office.

Absences:
If absent, all work missed must be turned in within the given three (3) of days that you were absent... This policy pertains to missed quizzes and exams as well, but **if you are going to be absent on an exam day and you know it in advance let the teacher know. If you miss an exam you will receive a zero until you make it up.**
If you miss class notes, be sure to get them! You don't want to miss something that may be on a quiz or an exam.

IB Learner Profiles

'FAILURE IS NOT AN OPTION"

Grading Policy:

Grades:
Grades are based on all of the work completed by students. Every category of assignments has a designated percent of the grade; every assignment in that category has the same fractional value unless specified by the teacher.

The district requires **60%** of the grade to be **formative assessment**, and **40%** to be **summative assessment.**

Formative Assessment will include: Warm-ups, Daily Assignments, Journals, Interactive Notebooks…….

Summative Assessment will include: Projects, Common Assessments, Semester Exam, Quizzes……

How to be Successful in this course:

- Come to class and lab prepared.
- Follow directions
- Ask questions, participate, and share thoughts and ideas!
- Take notes and review at home.
- Turn in assignments the day they are due.
- Follow guidelines for projects and assignments

Class Procedures:

- Be on time
- Walk in and check in
- Pick up assignments
- Be seated when the bell rings
- Complete warm-up on that's on promethean Board or handout
- Be ready to begin class as soon as the bell rings.

Note Alert!!!!

Electronic Devices will not be allowed in class: Cell Phones…….

For any further guidelines or policies not mentioned in ***Mr. C. Sanchez*** syllabus, I follow the guidelines that are stated in the **2023-2024** Parent-Student Handbook

STUDENT SIGNATURE: Date:

_____ _____

PARENT SIGNATURE: Date

_____ _____

NOTES:

Make-up work is the student's responsibility and must be completed in the time period specified.