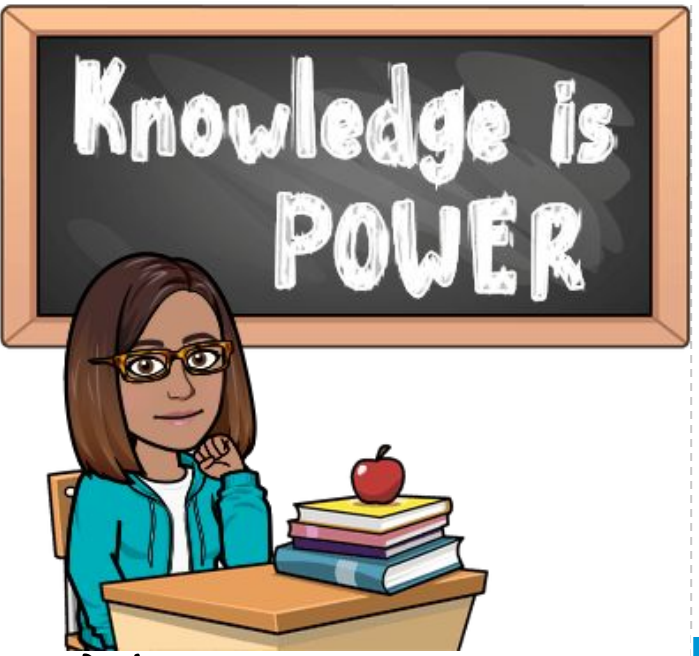
Welcome to Biology Class



Mrs. Esparza

jessica_esparza@chino.k12.ca.us
Email Response within 48 hrs

Class Text: Experience Biology the Living Earth (Miller & Levine)

Introduction

Welcome!!! This year, in Biology, we will learn to be Scientist. This means to think, communicate, learn and investigate just like real Scientist do. We will experiment, collect and analyze evidence, create models and develop both explanations and arguments to understand and explain science related phenomena.

Biology is the study of life. It describes the characteristics, classification, and behaviors of organisms, how species come into existence, and the interactions they have with each other and with the environment. Topics will include biochemistry, cellular biology and transport, cellular respiration and photosynthesis, DNA and protein synthesis, genetics, evolutionary changes, ecology, and climate change. Studying these various topics will allow you to use critical thinking skills by conducting scientific observations, inquiry experiments, and learning how to approach and solve real world problems.

Grading

Grading Policy

- Grades accessed through ARIES/Google Classroom
- Assessments-Summative (40%)
- Assessments-Formative (20%)
- Laboratory (25%)
- Assignments-CW/HW (15%)

O=completes and submits all work
S=completes and submits most work
N= Needs Improvement
U= does not complete/submit work

Expectations

Beginning of class-Take a seat, copy CW/HW into your agenda, complete opening discussion if applicable, and wait for further instruction.

During class-Be an active participant in your learning. Listen, collaborate, and ask questions.

End of class -Don't leave class until dismissed by Mrs. Esparza.

Required Materials

- ✔ **Chromebook**
- ✔ 3 ring binder (1") or Notebook for **Science Use Only**
- ✔ Pens,pencils, highlighter, color pencil/markers
- ✔ graph paper
- ✔ A positive attitude

Technology

We will mainly utilize Google classroom in this class.

Google Classroom

SAVVAS EasyBridge

Science
California Miller & Levine Experience Biology - 3 Course Model

Measuring Success in Biology

Final Grading Scale

90-100 % = A
80-89% = B
70-79% = C
60-69% = D
0-59 % = F

Grade Notification

If the student's grade falls below 65%, the parent will be notified by phone, email, ARIEs, or conference.

Science and Engineering Practices (Skills)	Topics of Study
SEP 1: I can ask questions and/or define problems based on observations, are testable and specify relationships between variables as well as clarify arguments and models.	Biochemistry
SEP 2 I can develop, revise and use models to explain natural phenomena while addressing the limitations of the model(s).	Cellular Biology and Transport
SEP 3 I can plan and carry out investigations that use multiple variables and provide evidence to support explanations and/or solutions	Cellular Respiration & Photosynthesis
SEP 4 I can analyze and interpreting data, both qualitative and quantitative, from various sources.	DNA and protein synthesis
SEP 5 I can use mathematical and computational thinking in order to identify patterns in data sets and use mathematical concepts to support explanations and arguments.	Genetics
SEP 6 I can construct explanations and/or design solutions supported by multiple sources of evidence consistent with scientific ideas, principles, and theories.	Evolutionary Changes
SEP 7 I can engage in argumentation to construct convincing arguments that support or refutes claims about the natural or created word with relevant and sufficient evidence.	Ecology
SEP 8 I can obtain, evaluate and communicate info that critiques and evaluates the merit, accuracy, and validity of ideas and methods.	Climate Change

Communication with Mrs. Esparza

1. Ask questions during class
2. Send email

Communication with students

1. Updates through Google Classroom
2. Email through _____

Communication with Parents

1. Send email _____
2. Send message through Aries/Parent Square

Response time: 48 hrs

Homework Help

1. Email me (Mrs. Esparza) for homework help

Extra Credit

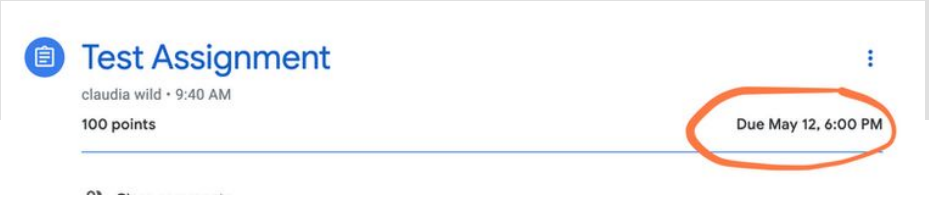
To be determined

Assignment Due Dates

- Due date is located to the right of the title of the assignment

(Teacher has the option of changing due date)

Example below



Re-take Assessment/Exam

- If you want to re-submit an assessment or exam to demonstrate higher mastery, you will have to email me (Mrs. Esparza) and request to re-take/re-submit assessment/exam. Then you will complete an additional assignment before moving forward to retake a test or re-submitting an assignment.
- I will inform you which assignments are considered assessments.

Late Work Policy

I accept late work. However, late work will be graded after all on time assignments have been graded.

LATE WORK POLICY MAY CHANGE AT MY DISCRETION

<u>IF I change the Late Work Policy then I will notify you via update post, email, or verbally during class.</u>