

Erie High School

Teacher: Ms. Sarah Chromik

Room Number: G - 219

Email: schromik@eriesd.org

Extra Help: Tuesday from 3:40 - 4:10 PM or by appointment.



I. Course Description:

Visualize, model and describe complex natural structures that function as a system, from the simplest unicellular organisms to complex multicellular organisms. Study evidence of processes necessary for life, including, but not limited to biological molecules, photosynthesis, cellular respiration, reproduction, heredity, and evolution. Develop thorough understanding of the interrelatedness of living organisms.

II. Textbook:

We will be using the online textbook Inspire: Biology.

III. Classroom Format, Requirements, and Evaluation:

This course will use a variety of classroom methods; including: lecture/PowerPoint presentations and note-taking, independent work, labs (virtual and physical), student projects, and active student participation.

IV. Grading:

Student grades will be recorded in two ways: Infinite Campus and Schoology.

NO WORK WILL BE ACCEPTED AFTER THE UNIT TEST!

(NOTE: If you have special circumstances, I am willing to work with you to stay on track.)

Grading Scale: A: 90 - 100 B: 80 - 89 C: 70 - 79 D: 60 - 69 F: <59
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Your grade is based on your overall percentage of points. Late work will not be accepted after 1 week from the due date; unless there are special circumstances. You get ONE test drop.

Classwork: 50%

Tests/Quizzes/Labs: 40%

Bell Ringers (Homework): 10%



V. Student Success:



To be successful in this class, you should come to class prepared to engage in the materials and lessons of the day. Assignments, PowerPoints and any additional resources will be routinely updated in Schoology.

- ★ If you are having trouble, do not hesitate to seek help from me. Students are encouraged to use **Schoology** for contact.

VI. Academic Integrity:

Do your own work! Plagiarism will not be tolerated. This includes turning in another person's work and ideas, answer keys or written papers from the internet. While some activities may be assigned to partners and groups, tests and quizzes are **ALWAYS** individual assignments.

 <h1 style="text-align: center;">BE ROYAL</h1> IN THE CLASSROOM 			
Revised June 2023			
ROYALS ARE:	DIRECT INSTRUCTION:	GROUP WORK:	INDEPENDENT WORK:
RESPECTFUL (polite & courteous)	<ul style="list-style-type: none"> Listen when others speak Practice positive manners, saying please/thank you, waiting your turn, avoiding curse words and slurs, etc. Use professional language during questions or discussions 	<ul style="list-style-type: none"> Use time wisely by staying focused on one task Speak softly to avoid distracting others Practice positive manners, saying please/thank you, waiting your turn, avoiding curse words and slurs, etc. <ul style="list-style-type: none"> Use academic language to discuss your assignment Critique <u>ideas</u>, not people, with helpful suggestions Do your fair share of the work 	<ul style="list-style-type: none"> Use time wisely by staying focused on your task Practice positive manners, saying please/thank you, waiting your turn, avoiding curse words and slurs, etc. Use technology according to teacher's directions Do your own work, and do your <u>best</u> work
RESPONSIBLE (accountable & trustworthy)	<ul style="list-style-type: none"> Arrive before the bell with needed materials & a positive attitude! Keep electronic devices off and away in a pocket or purse during instruction Be honest, trustworthy, and a positive-role model 	<ul style="list-style-type: none"> Be prepared for class and gather materials when directed Use materials <u>only</u> as directed Read and <u>follow</u> teacher direction Tidy your area before leaving 	<ul style="list-style-type: none"> Be prepared for class and gather materials when directed Use materials <u>only</u> as directed Read and <u>follow</u> teacher direction Tidy your area before leaving
RESILIENT (flexible & adaptable)	<ul style="list-style-type: none"> Follow classroom procedures <u>every</u> day Give your entire attention during instruction Support your classmates, even when you disagree 	<ul style="list-style-type: none"> Bring a growth mindset <u>every</u> day Talk through challenges with group members Ask for help and help others! Check work for errors before submission 	<ul style="list-style-type: none"> Bring a growth mindset <u>every</u> day Use classroom resources and ask questions if you get stuck Check work for errors before submission

 <h1 style="text-align: center;">BE ROYAL</h1> IN LABORATORIES AND CTE SHOPS 	
Revised June 2023	
ROYALS ARE:	IN LABORATORIES AND CTE SHOPS
RESPECTFUL (polite & courteous)	<ul style="list-style-type: none"> Be aware of your surroundings at all times Listen attentively and <u>follow all written and verbal safety instructions</u>, including dress guidelines and wearing personal safety equipment properly Laboratories and shops are work environments – conduct yourself as you would on the job site
RESPONSIBLE (accountable & trustworthy)	<ul style="list-style-type: none"> Never horseplay, run, wrestle, etc. in laboratory or shop areas. Use laboratory and shop equipment only with instructor permission <u>AND</u> supervision. Use materials <u>only</u> as directed by your instructor <u>and</u> put materials away <u>properly</u> when finished using them Stay in your assigned work area Report any unsafe conditions or behaviors to your instructor <u>immediately</u>
RESILIENT (flexible & adaptable)	<ul style="list-style-type: none"> Focus on your own task and avoid distractions Keep electronic devices turned off and put away Patiently wait your turn to use equipment

Technology Policies

- Chromebooks should only be used to complete classwork.
- You may bring earbuds to use with video assignments and independent work, however you should not be wearing them during notes or labs.
- I will be following the schoolwide cell phone policy!
 - 1st Warning "Put It Away" → 2nd Warning "Put it away, or it will be taken away" → 3rd warning will result in the cell phone being confiscated by an administrator.
 - After 3rd confiscation, a meeting with your parents/guardians will be held.

Materials - I will be providing a folder for you to use to keep your work in. These folders should remain within the classroom, unless needed to make up work. Pen or pencil and your Chromebook, charged. Class assignments and activities will be printed or available on Schoology.

Passes - As a school, we are using a digital pass system through IC..

Absences - If you are absent, it is your responsibility to make up for the work missed. Only if your absence is excused will the work be excused, except for tests & quizzes. I also encourage you to contact me if you are going to be out for an extended period of time so we can make arrangements for you to stay on task.

****Check Schoology or Infinite Campus frequently for missing assignments and grade updates.****

Sign your name: _____

BIOLOGY UNITS: (May not go in exact order!)

1. Introduction to Biology:
 - a. Nature of Science
 - b. Characteristics of Living Things
2. Basic Biology:
 - a. Cells (Prokaryotic vs Eukaryotic)
 - b. Structure and Function Relationships
3. Chemistry in Biology:
 - a. Water and Carbon
 - b. Monomers/Molecules to Polymers/Macromolecules
 - c. Enzymes
4. Bioenergetics:
 - a. Cellular Respiration and ATP
 - b. Photosynthesis and ATP
5. Homeostasis and Transport:
 - a. Biological Balance ("sameness")
 - b. Cellular Transport
6. Cell Growth and DNA Processes:
 - a. Mitosis and Meiosis
 - b. DNA Replication
 - c. Protein Synthesis
7. Genetics:
 - a. Mendelian Genetics
 - b. Mutations
 - c. Biotechnology