Biology

*Erie High School*

Instructor: Miss Troutner

Classroom: F102

Phone: 814-874-6200 Ext ??

Erie High School

Email: [stroutner@eriesd.org](mailto:stroutner@eriesd.org)

***Course Description:***

Students will work through topics dealing with biology sciences and be prepared to take the Biology Keystones.

| Chapter 1: The science of Biology | Chapter 11:Introduction to Genetics | Chapter 21: Fungi | Chapter 31: Reptiles and Birds |
| --- | --- | --- | --- |
| Chapter 2: The Chemistry of Life | Chapter 12: DNA and RNA | Chapter 22: Plant Diversity | Chapter 32: Mammals |
| Chapter 3: The Biosphere **(Ecology)** | Chapter 13: Genetic Engineering | Chapter 23: Roots, Stems, and Leaves | Chapter 33: Comparing Chordates |
| Chapter 4: Ecosystems and Communities **(Ecology)** | Chapter 14: The Human Genome | Chapter 24: Reproduction of Seed plants | Chapter 34: Animal Behavior |
| Chapter 5: Populations **(Ecology)** | Chapter 15: Darwin’s Theory and Evolution **(Ecology)** | Chapter 25: Plant Response and Adaptations | Chapter 35: Nervous System |
| Chapter 6: Humans in the Biosphere **(Ecology)** | Chapter 16: Evolution of Populations **(Ecology)** | Chapter 26: sponges and Cnidarians | Chapter 36: Skeletal, muscular, and integumentary System |
| Chapter 7: Cell structure and Function | Chapter 17: The History of Life **(Ecology)** | Chapter 27: Worms and Mollusks | Chapter 37: Circulatory and Respiratory System |
| Chapter 8: Photosynthesis | Chapter 18: Classification **(Ecology)** | Chapter 28: Arthropods and Echinoderms | Chapter 38: Digestive and Excretory Systems |
| Chapter 9: Cellular Respiration | Chapter 19: Bacteria and Viruses | Chapter 29: Comparing Invertebrates | Chapter 39: Endocrine and Reproductive Systems |
| Chapter 10: Cell growth and Division | Chapter 20: Protists | Chapter 30: Nonvertebrate Chordates, Fishes, and Amphibians | Chapter 40: The Immune System and Disease |

***Course Texts:***

All readings/lectures will be provided with guided notes during class

**Behavior Expectations in the Classroom:**

| **A. Be Respectful (polite & courteous)**  • Be respectful of teachers, fellow students, materials, desks, and classroom areas.  • Practice positive manners, using please and thank you  • Respect differences of your fellow students including ethnicities, religions, and abilities. | **Rule #1: Everyone stays safe & healthy!**  **Rule #2: The Golden Rule:**  **"Treat others as you would have**  **others treat you."** |
| --- | --- |
| **B. Be Responsible (accountable & trustworthy)**  • Arrive to class on time with classroom materials, prepared to learn. • Bring materials to class, such as pencils, notebooks,etc.  • Keep phones off and away in a pocket or purse during instruction • Stay on task!  • Be honest, trustworthy, and a positive role-model to your peers. | |
| **C. Be Resilient (enduring & adaptable)**  • Follow classroom procedures every day, throughout the school year. • Ask your teacher for help if you need it.  • Always give your best effort on classroom and shop assignments.  • Accept and support classmates, even when you disagree.  • Face new challenges with a positive attitude, using your problem solving skills. | |

**How is the grade calculated?**

| **Grading Category** | **Weight** | **Description** |
| --- | --- | --- |
| **Tests/projects** | **40%** | You must prove that you have learned what you need to learn for the class.  We will have 1 test per chapter,  Come for extra-help ***before*** the test to help your understanding and improve your grade!  If you do poorly on a test, you can schedule to come to extra-help twice afterwards; once to review, and once to retest and get a better score!  Each test will be weighted equally, so that the percent score is what is important, not the points. |
| **Quizzes/labs** | **20%** | Quizzes are 5 to 20 points each.  Each quiz will be weighted equally, so that the percent score is what is important, not the points. |
| **Assignments** | **20%** | All work should be done in class, very rarely will there be ANY homework, if there is then it is classwork that did not get accomplished in class, or maybe work for projects. |
| **Do-Nows & Exit tickets** | **10%** | Do-Nows are 1-5 questions done at the beginning of a lesson to review material or introduce ideas.  exit tickets are 1-2 questions done at the end of class to check your understanding of the lesson. |
| **Participation** | **10%** | Be on time, be an active and appropriate participant in the classroom and discussion. These grades go in weekly |

Please Note: These are \*weighted categories\*, meaning that a "point" on a homework assignment is not worth the same as a "point" on a test, nor even a "point" of your notebook grade. You must think of them as separate parts that come together to make the whole grade. One analogy is a recipe for a cake. It doesn't matter if you have all the sugar in the supermarket, if you don't have flour, you can't bake the cake. Grading is done this way to purposely give you every opportunity to succeed.

***Student Assignments will consist of:***

* quizzes/tests
* homework
* class participation
* in-class assignments
* homework assignments
* research assignments
* large/small group discussions and activities

***Grading Policy:***The school's grading policy will be used for all assignments.

90-100% A

80-89% B

70-79% C

65-69% D

Below 65% F

***Classroom Rules:***

We will follow all the Student Handbook rules.

Together as a class we will brainstorm ideas on how to be Royals in the classroom

***Cell Phone/Electronic Device Usage Policy:***

All cell phones, iPads, or any other electronic device must be off and in the student’s book bag, computer bag, or purse. This also applies to any type of headphones/ear buds, Bluetooth devices, etc. Students who use a cell phone or other electronic device in any way during class will be given a verbal warning for the first and second occurrence. After two warnings, the student will be assigned a teacher detention for the infraction. Anyone caught using or receiving texts/calls on a cell phone or other device during an exam or quiz will automatically earn a grade of zero on that exam/quiz. In this situation, there are no retakes for the grade of zero. Cell phone usage includes both outgoing and incoming calls as well as both incoming and outgoing texting and any internet usage on the device. Any exceptions to this policy will be given by the instructor.

***Participation Policy****:*

Students should be in class *every day.* One of the most significant factors affecting school success is regular attendance. Doing make-up work, getting notes from a friend, or reading from a book can never compensate for the class experience where the teacher explains the material and the class has the opportunity for guided interaction with the concept being studied. Class participation includes:

* Listening.
* Daily attendance.
* Note-taking/ completing classwork
* Involvement in discussion and group work

**Academic Integrity**

Academic integrity is honesty and responsibility in scholarship. Every assignment you do in school is meant to measure your knowledge and ability. The grade you receive on the assignment should reflect that knowledge or ability. But an assignment cannot truly measure your knowledge or ability if you have not done your own work. Sites like Wikipedia, SparkNotes, E-Notes, etc serve a purpose, but using them for a Language Arts assignment is dishonest. We are interested in **your** ideas, interpretations, and arguments. Your ideas are far more interesting than the ones regurgitated again and again on the internet, and looking at those websites will prevent you from developing your own ideas. **Do not use these websites or any like them or someone else’s work for your Language Arts assignments**.

There will doubtlessly be collaborative assignments throughout the school year, but what you submit must always be your own original work.

**Anyone found cheating/plagiarizing on all or part of any assignment will receive:  a zero for the assignment, a parent phone call, and be referred to an administrator for further disciplinary consequences. If a student provides his/her work to another student, and that student copies the assignment and submits it as his/her own work, both students will receive zeroes and face the disciplinary consequences mentioned above.**

**THIS INCLUDES AI!**