

Biology II, (Comparative Anatomy of the Animal Kingdom) Texts:

**Biology “*The Dynamics of Life*”,
Glencoe.**

**“Essentials of Human Anatomy &
Physiology” Elaine Marieb**

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Mission Statement

Broaden the knowledge base of Biology with the study of animal anatomy from each of the classes of vertebrates compared to the anatomy of the human body.

Class Description

Biology II, (Comparative Anatomy of the Animal Kingdom) is a continuation and extension of Biology I. Comparative Anatomy of the Animal Kingdom starts with taxonomy and classification of animals and investigates the anatomical and physiological structure and function within each class of vertebrates compared to the human body. The class is available

to any student who needs a lab science credit to fulfill graduation requirements. The class will utilize computer technology to facilitate virtual dissection of various animals within the animal kingdom. Some preserved specimens may also be used in the lab for investigation and comparison.

Syllabus

- Anatomical Positions and Orientation
- Taxonomy and Classification
- Flatworms, Roundworms and Segmented Worms
- Mollusks
- Arthropods
- Invertebrate Chordates
- Fishes and Amphibians
- Reptiles and Birds
- Mammals
- The Human Body and its systems.
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Instruction and Academic Support

- Lecture
- Note taking
- Socratic Questioning
- Group work- Labs, discussion and projects.
- Film
- Drawing, Diagramming and Labeling

- Written Assignments – Response to questions, research and essays.
- Virtual Dissections
- Assessments- Quizzes, Tests, Lab Practicals

Mr. Cain's Expectations and Guidelines for Success.

1. Be **on time** to class with a **good attitude** and **willingness to learn**. Excessive tardies will result in detention. (more than one). Remember there are no bells.
2. Be in assigned seat and **ready to work** on time.
3. I am the time keeper and you will be released to your next class on time by me and me only.
Remain seated until I release you.
4. Pick up **bell work paper** and **the book** we are using for the day. **You have 4 minutes to complete your bell work for credit.**
5. **Be prepared** for class. A **notebook** and **colored pencils** are requirements for this class.
6. **Be respectful** of everyone. **Listen**, don't speak when someone else is speaking or reading.
7. There will be **no put downs** or inappropriate comments made in class. Treat others the way you want to be treated.

8. Turn in your work **when due**. Late work will be marked down. Work turned in more than three days late will not be accepted or graded. Ten points will be lost for each day late. If you have a perfect paper and are three days late you will receive a 70%.
9. **Participate** in class discussion, listen carefully, everyone should be ready to answer a question at all times. If you are listening and prepared you will have an answer. **“I don’t know”, is not an answer and is not acceptable.**
10. **Take pride** in your work, **always do the best you can and you will succeed.**

Grading

All assignments will be assigned a certain point value.

There are two weighted categories of assignments.

1. Evaluation = 70% of overall grade. Includes (tests, quizzes, presentations)
2. Daily work = 30% of overall grade Includes (classwork, homework, lab activities, notebook & notes)

Grading scale is as follows:

90-100 = A

80-89 = B

70-79 = C

60-69 = D

59 and below = Failing

If you should fall behind there will be opportunities after school to make up work or to get tutoring. Take advantage of it. (More to come later)