



# ZOOLOGY HONORS

Instructor: Mrs. Young

Pre-requisites: Successful completion of Biology and Chemistry

## Course Scope:

This one-year course is designed for those students desiring greater experiences in the biological sciences, specifically in zoology. General areas of study will include laboratory technique, levels of organization, evolutionary theory, ecological adaptations, and the anatomical and physiological characteristics of all major animal phyla. Emphasis will be placed on diversity within the animal kingdom as it relates to physiological adaptations and environmental pressures. This course will serve to familiarize students with educational and occupational opportunities in the field of zoology. This is a one-year advanced laboratory course designed to meet one of two science credits required for Nevada high school graduation, and is considered a laboratory science course for college admission.

## Course Goals:

1. To apply and demonstrate the prior knowledge of the scientific method through proper laboratory technique.
2. To recognize the major levels of organization characteristic of living things.
3. To relate evolutionary processes to species development.
4. To interpret the interrelationship between animals and their environment.
5. To explore the classification of animals through traditional and modern systematics.
6. To employ the appropriate terminology in describing anatomical regions and body symmetry.
7. To distinguish basic animal forms related to the presence or absence of body cavities.
8. To compare and contrast anatomical, physiological, and evolutionary relationships between acoelomate phyla.
9. To compare and contrast anatomical, physiological, and evolutionary relationships between pseudocoelomate and eucoelomate phyla.
10. To recognize diversity of anatomical, physiological, and behavioral characteristics of invertebrate and vertebrate eucoelomates.
11. To discuss the socioeconomic importance of various animal phyla.
12. To develop hands-on familiarity with representative examples of major animal phyla.
13. To evaluate career opportunities related to zoology.
14. To examine the moral and ethical issues relevant to zoological study.

**Required Textbook:** Zoology: Eleventh Edition, by Hickman, Roberts, and Larson \*\*\*Students are responsible for their own textbook. There will be an \$80.00 textbook fine for any unreturned textbook.

### **Materials required-**

The following materials are REQUIRED to participate in the class: Pen/pencil, a three-ring notebook/binder with a section used only for Zoology, a planner, and paper.

### **Grading Policy:**

**Grading Scale:** Letter grades will be assigned based on the following grading scale:

100-89.5     A

89.4-79.5    B

79.4-69.5    C

69.4-59.5    D

59.4 and below F

- Grades will be posted in the classroom at least 4 times each quarter. Grades will only be discussed before or after school.

### **Grade Distribution:**

**TESTS:** Tests and quizzes will be administered throughout the course to determine the students' individual progress. Tests and quizzes will account for 60% of each quarter's grade.

Tests will be given at the end of each unit of study. A final exam will be given at the end of each semester. The final will count for no more than 10% of your semester grade.

**LABORATORIES:** Lab activities will be completed throughout the course of the year to reinforce learning. Labs will emphasize hands on learning in a cooperative environment. Students who fail a lab for disciplinary reasons may not participate in the next lab. Any student not participating in a lab will be given an alternative assignment of equal point value. Labs activities will account for 20 % of each quarter's grade.

**ASSIGNMENTS/HOMEWORK:** Students are expected to complete all assignments to the best of their abilities. Assignments will be completed in class or at home as homework. You are expected to turn in all work on time.

Assignments will count for 15% of your semester grade.

- Homework will be assigned 3 to 4 times per week.

**NOTEBOOK:** You are required to have a notebook with paper, pencils, black or blue pens, planner, and highlighter. You will be expected to maintain one section in your notebook for this class only.

### **Notebook Guidelines:**

1. You must complete work on all assignments in your notebooks for any credit.
2. There will be notebook checks administered periodically so keep your notebook neat, orderly, and compliant with notebook procedures outlined in class.
3. Notebook checks will account for 5 % of each quarter's grade.

**Make-up Work:** It is your responsibility to find out what assignments were missed in your absence.

Make-up work procedure:

1. Write objectives and class activities in your planner as found on the P.A.S.S. calendar.
2. Handouts and assignment sheets will be in a numbered folder in the crate by the front door. Obtain those that you are missing.
3. See me to schedule a time (before or after school) to make up any tests or labs. Tests and labs must be made up within three days of an absence. See a friend or come in before or after school to obtain the notes missed.

Make-up work must be labeled as such and placed in the wire basket by the door. You will have 3 days from the time you return to complete tests, labs and assignments.

**Help Session Hours:** I will be available to assist you before and after school. Please come and see me if you need any help with this course!

**Attendance:** As a student it is your responsibility to be in class every day. You are expected to be on time every day. Students who exceed 10 unapproved absences in a semester will automatically lose credit for the class.

**Tardy Policy:** All students must adhere to the school-wide tardy policy. If a student is tardy, he/she must sign the tardy sheet or be considered absent.

**Student Code of Behavior:**

If you act sensibly, responsibly, respectfully, and maturely, you will do fine. The following are guidelines to insure a safe and productive year. Failure to adhere to the code of behavior will result in disciplinary action.

\*Enter the room quietly and take your seat. Begin working on the Q.O.D.

1. Have all required materials ready at the beginning of class.  
(notebooks, requested materials, homework turned in)
2. Treat everyone in the class in a respectful manner.
  - practice patience and compassion.
  - use no offensive language.
  - allow others the opportunity to speak.
  - think before you speak.
3. Respect the property of others.
  - school and personal

**Respect for people and property is very important and will be stressed in this class!**

4. Remain seated in your designated seat until dismissed by me.
5. Listen and follow directions for all activities.
6. Mandatory compliance of all school rules.

**Disciplinary Actions Taken by Teacher:**

1. Verbal warning
2. Loss of participation points and privileges.
3. 30 minute detention after school.
4. Phone call to parent or guardian.
5. Habitual problems will be referred to the Dean.

**Citizenship:**

Citizenship grades will be earned by the student for their actions during each of the four nine week grading periods.

O = A student that demonstrates exemplary behavior or citizenship. This would include a student that assists other students in being successful. As a student you promote a positive learning environment.

S = A student that demonstrates the proper motivation to be successful. Does not hinder the success of other students in the class.

N= A student that needs to improve behavior.

U = A student that creates an environment that makes learning difficult for themselves as well as others.

You can receive a U for the following reasons.

1. Dishonesty (cheating on tests or assignments, includes copying)
2. Disrespectful of students, teachers, or substitutes.
3. Four or more tardies.

Citizenship will be awarded based on absences, number of tardies, and participation.

The guidelines for this class will be used for the entire year. The expectations established in this outline are designed to make this a productive, enjoyable, and safe year. As a student you agree to meet, to the best of your abilities, all of the expectations established in this outline. As a parent or guardian you agree to support the expectations in this outline, with the understanding that they are meant to enhance the learning environment of the classroom. These expectations will be kept in the science section of your notebook at all times throughout the year, and should be used as a reference when questions arise. By signing below, you agree to support everything stated in this course outline, and you now know what to expect from this course. I promise this will be a great year!