

Advance Animal Science

Instructor: Mrs. Kyle

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Course Description:

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

The year will include the following topics:

- History of Animal Science
- Careers
- Scientific Method
- Breeds of Livestock
- Food Safety
- Animal Rights vs. Animal Welfare
- Livestock Evaluation
- Digestion
- Nutrition and Feeds
- Cells
- Genetics
- Repro & Estrus Cycle
- AI, Embryo Transfer In-vitro, Palpation
- Skeletal, Muscle, and Nervous Systems
- Organs
- Respiratory, Circulatory, and Urinary Systems
- Animal Helath
- Biotechnology

Class Materials:

- Chromebook
- Writing Utensils
- Folder (if you would like to keep any hard copies or unfinished work)

Course Expectations:

Most of our work will be done in the classroom. From time to time as we work on large projects you may need to take work home to complete the assignment. It is your responsibility to bring back the assignment on time.

We will conduct several labs in class. All students will be expected to participate. When in a lab setting please keep safety in mind.

We will be working in group for several topics we cover. Be courteous to your fellow group members and encourage participation among everyone.

All students will be expected to participate in class each day and give their best effort towards each assignment. You are also expected to bring your materials to class each day. If you are unsure about how to complete a task and need further instruction please ask. From time to time students who grasp concepts quickly may be asked to help other students. This is an elective science course but we will do work every day.

Chromebook:

You will each be required to bring your Chromebook to class daily charged. Failure to do so may have an impact on your grade. Please come to class prepared as we will use our Chromebooks as often as possible!

Absent Work:

Make up assignments and/or tests will be available to students after an absence, **BUT it is the student's responsibility to get the work from the teacher.** For every day the student is absent, that is the amount of time they have to complete the assignments. If it is not completed in the allotted time, it falls under the guidelines of late work.

FFA Participation

FFA participation is not mandatory but I do encourage you to get involved. FFA has a place for everyone. You do not have to show an animal to be in FFA although that is one aspect of our organization. In the fall we participate in Leadership Development Events (Quiz, Creed, Chapter Conducting, Skills, etc.) and in the spring we participate in Career Development Events (Floriculture, Horse Judging, Entomology, Dairy Foods, etc.). There are many other opportunities to get involved so be listening in class for upcoming details.

Grading Policies

Your assignments will be graded according to HISD policy. I will let you know if an assignment is a major, minor, or other grade.

Instructional Achievement = 50%

Exams
Major Projects

Instructional Practice = 50%

Class Notebook
Record Book
Daily Work

Class Rules

1. Be in class on time and prepared to work. You will need to sign the tardy log if you are late.
2. Be respectful! Teacher and adult visitors, classmates and facilities/equipment
3. Outside food is not allowed in the classroom
4. No Cellphones unless previous permission is granted!
 - a. During tests all phones will be collected and can be returned after the test has been turned in.
- 5. Clean your area before you leave!!!**
6. "Horseplay" is not acceptable in the classroom or lab.
7. School rules remain in place in my classroom. Discipline actions will be taken per the Discipline Management Plan and Student Code of Conduct set by Huntsville ISD