Course Syllabus: Advanced Animal Science

Mrs. Jennings

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**Course Description:**

The course will count as a scientific credit, if taken the fourth year. This course requires a minimum of a 40% laboratory and fieldwork. Students will use the scientific method to solve problems related to the animal science industry. Students will learn the science side of animal reproduction, genetics, anatomy and physiology, animal feeds and feeding animals, and diseases and parasites. This course also outlines evaluation of market classes of livestock, the harvesting process, and the fabrication process. Students will also learn the impact of biotechnology and issues surrounding animal welfare.

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| 1st Six Weeks | 2nd Six Weeks | 3rd Six Weeks |
| Animal Science CareersScientific MethodSAE & AET Record Books | Evaluating Market AnimalsEvaluating Meat QualitySAE & AET Record Books | ReproductionGeneticsSAE & AET Record Books |
| 4th Six Weeks | 5th Six Weeks | 6th Six Weeks |
| External AnatomyInternal AnatomyNutritionSAE & AET Record Books | DiseasesParasitesPolicies and National LawsSAE & AET Record Books | Harvesting LivestockMarketing LivestockAnimal HandlingTemple Grandin Book StudySAE & AET Record Books |

This calendar is subject to change

**Material needed:**

* Writing utensils: highlighter, pencil and a pen brought to class daily.
* Laboratory Clothes (pants, closed toed shoes, etc.)…something that you don’t mind getting dirty. When we have lab we will be outside working with animals, plants, or in the shop setting; and it is important that you wear clothes that can get dirty. Closed toed shoes are necessary as well as pants during units while we are working with livestock or in the shop setting. Not bringing appropriate clothing will force students to sit out of the lab activity due to safety. An alternative book assignment will be given.

**Absences**

* Students are responsible for ***retrieving their missing work*** from the teacher and/or Google Classroom. Students who miss assignments or labs should make arrangements with the instructor to make up the assignment during study hall the first day back.

**Grading Procedure:**

Daily Work 60%

Tests/Projects 40%

**FFA Record book:**

Every student enrolled in an Agricultural Science class is required by the state to have a Supervised Agricultural Experience - an agricultural related project that they keep records on in their FFA Record Book. The requirements for these are made up of the following: \*All students enrolled in an agricultural class will have a Supervised Agricultural Experience (SAE). \*Students will record the hours/finances in the online record book at www.theaet.com. \*Students’ SAE can be an entrepreneurship, placement, or research project.

**Projects:**

* Foundation Supervised Agriculture Experience (SAE) Project – Career Exploration
* Science Fair Project
* Livestock and Meat Judging
* Artificial Insemination Simulation
* Ruminant Digestive System Dissection
* Animal Welfare vs. Animal Rights Debate
* Animal Handling Facility Model/Temple Grandin Book Study

**Behavior Expectations:**

*I have always thought that the FFA Motto was a good motto to live by, and that is why I built my rules around them.*

1. **Learning to Do:** students are expected to participate in all school activities.
2. **Doing to Learn:** students are required to be prepared for all class activities. This is not limited to a pencil or paper.
3. **Earning to Live:** in this classroom everything is earned! This includes grades, privileges, and respect.
4. **Living to Serve:** students are expected to respect their fellow classmates and display the characteristics of a leader. Be prepared, professional, punctual, positive and respectful. No cell phones or other electronic devices will be used unless for instructional reasons and permission is given by the teacher.

**Behavior Consequences:**

1st: Verbal warning

2nd: Phone call & email home, appropriate disciplinary action

3rd: Administrative action as stated in school policy.

4th: Anything beyond the above results in a referral to administration.

* The instructor reserves the right to bypass steps depending on the nature of the offense.



***FFA Membership:*** FFA membership is **highly recommended** while enrolled in an Agricultural Science course. **FFA is INTRA-curricular NOT extracurricular!** The student will have the opportunity to get involved with the community, gain leadership experience, and conduct supervised agricultural experience projecets. We will be exploring leadership and career opportunities and through FFA. This is a great organization to start a network of people for when you get ready to continue your education, job references, or even possibly they can help you find a job in your field.

***\*Annual membership is $25. Please make the check payable to Graford FFA. Deadline: October 15.\****

**Teacher Email:** **ajennings@grafordisd.net**

**Class Website: GrafordFFA.weebly.com**

**School Website: GrafordISD.net**

**Facebook: Graford FFA**

***Remind101 for Graford FFA/Classes: Remind 101 for Graford Ag Barn:*** 