

Plant and Animal Science Syllabus

Free State High School

Fall 20202 & Spring 2021

Instructor: Mrs. Gilmore
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Course Description

This class will give students the opportunity to learn about plant and animal science. The animal science portion of the course will be taught in the fall and the plant science portion of the course will be taught in the spring. In animal science we will cover personal safety and animal handling, animals role in society, issues in the animal industry, as well as care and management. Students will investigate these different concepts by completing projects, labs, presentations, hands on activities, and through real world applications. In plant science students will learn about plant anatomy and physiology, classification, and fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers.

Resources:

Curriculum for Agriculture Educators (CASE)
Second Edition Cornell Veterinary Science
iCEV

Grade(s): Sophomores, Juniors and Seniors

Required Platforms and websites:

- Gmail
- Google Calendar
- Google Classroom
- Google Drive

- Webex Meetings
- Webex Teams
- PowerSchool - Grades
- Agriculture Experience Tracker (AET) - <https://www.theaet.com/>
- ICEV - <https://www.icevonline.com/curriculum>
- Class Website - <https://agedfreestate.weebly.com/>
- School Directory - <https://www.usd497.org/Domain/8360>

Course Requirements:

1. Students will be expected to check their email once a day.
2. Students will be expected to check assignments for feedback within 24 hours of submitting.
3. Students are expected to complete every unit of the course
4. Students are expected to plan and carry out a Supervised Agricultural Experience Program.
5. Students will be asked to join the Lawrence Free State FFA.
6. Students will be expected to meet all deadlines.

Mrs. Gilmore’s Individual Expectations:

- Keep an open mind and positive attitude at all times!
- You must be READY, RESPONSIBLE, & RESPECTFUL!
- Must have a desire to be successful and have fun learning!
- Ask three before me!

Grades:

Grades will be determined by total points earned. However, the following is a breakdown of the amount of work given in each area:

10% Work/Participation

40% Project/Lab Completion

30% Exams and Quizzes

20% SAE Record Book (see end of syllabus for more information)

Grading Scale:

| Percent Range | Grade | Percent Range | Grade |
|---------------|-------|---------------|-------|
| 100 – 95 | A | 76 – 73 | C |
| 94 – 90 | A- | 72 – 70 | C- |
| 89 – 87 | B+ | 69 – 67 | D+ |
| 86 – 83 | B | 66 – 63 | D |

82 – 80 B-
79 – 77 C+

62 – 60 D-
59 – 0 F

Course Outline: (can contain but not limited to)

Fall Semester: (Animal)

Unit 1 The Livestock Industry

Unit 2 Anatomy

Unit 3 Reproduction

Unit 4 Animal Behavior

Unit 5 Digestive System

Unit 6 Nervous, Muscular, and Skeletal System

Unit 7 Breeds

Unit 8 Best Management Practices

Spring Semester: (Plant)

Unit 1 Scientific Procedures and Safety

Unit 2 Plants and Animals: What's the difference?

Unit 3 Soil Formation and Evaluation

Unit 4 Fertilizers and Soil Amendments

Unit 5 Anatomy of Plants

Unit 6 Scientific Classification & Nomenclature of Plants

Unit 7 Fundamentals of Plant Processes

Unit 8 Plant Evaluation

Absence Policy (FSHS Student Handbook):

- Research shows that the single greatest factor contributing to student achievement is attendance at school. Although we realize there will be occasions when students legitimately need to be gone from school, it is the combined responsibility of the school officials and parents to see that these absences are kept to a minimum.
- Approval for an absence by a parent does not necessarily mean that the absence will be excused. School administrators will make the final determination as to whether or not an absence will be considered excused.
- A student is considered absent when he/she is not in regular school classes or in a school-sponsored activity. Upon an absence, a student must have a written or verbal excuse from a parent or guardian. If the parent fails to call the school, the school will make an attempt to reach the parent via an automated Skyward attendance message.
- Once a student has 10 full absences per semester, any additional absences will be considered unexcused and be treated according to school policy. Administration has the discretion/flexibility to excuse an absence if deemed necessary due to extenuating circumstances. Examples could be accidents, extended illnesses, or surgeries that require the student to miss more than 10 days allowed.

- Please note that a student's first 10 absences from school are not automatically considered excused.
- A student must attend at least 2 blocks of the school day in order to be allowed to participate in extracurricular activities that day or evening. Exceptions will require administrative approval.
- Students who leave the building without checking out will be unexcused. A parent or guardian must authorize all student departures. Students who do not attend class (skip) will be given 1 day ISS and additional days can be given for repeated offenses.
- The consequences for unexcused absences are as follows:
- Students who are unexcused for any part of the day will receive one Friday Night School.

Tardy policy (FSHS Student Handbook):

- It is important that classes be free from interruption and that students be available for organized class activities as soon as the bell rings. Teachers have the final determination if a student is tardy to class, unless the tardy is issued by the office or administration.
- When students have accumulated more than 2 tardies per semester in a class, they will be expected to make up time in detention. The consequences for tardies per class will be as follows:
 - 1-2 tardies No consequences Teachers will contact the student's parents after the second tardy, informing them of their absence.
 - Concern and the consequences for receiving future tardies.
 - 3-5 tardies One hour detention
 - 6 or more tardies Friday School
- If students fail to serve their detentions at the appropriate time, students will be referred to the administration and will be assigned a Friday School.
- Students arriving more than 10 minutes late to school must get a pass from the office

Expectations and Procedures:

1. Be respectful to peers, school resources, and the teacher.
2. Be respectful of the resources provided to you such as the classroom, computer lab, mechanics lab (shop), greenhouse and all other school resources
3. Using the restroom should be done before coming to class.
4. Students must remove and put away all hats, phones, smart watches, headphones, computers, iPads and any other electronic devices prior to the start of class.
5. All students must remove hats and ball-caps prior to the start of class
6. Students must come to class wearing or able to change into proper lab attire.
7. The use of cursing and or the use of vulgar language is strictly forbidden.
8. Missed work must be turned into the teacher by the end of the class on the prescribed due date.
9. Late work will be accepted up to three days late and no later. Each day an assignment is late 10 percent will be deducted from the overall grade.
10. It is the student's responsibility to get any missed assignments from the filing cabinet.

11. All missed quizzes and tests must be made up within one week of the student returning to school.

Failure to comply with the classroom expectations and procedures will result in disciplinary actions according to the school policy (student handbook)

Electronic Devices

Students will utilize their chrome books in the classroom only when instructed. Students will not be allowed to at any time use another student's device(s) without permission. Only topics related to a student's current projects or assignments will be allowed. Any and all data can be tracked through the school's WIFI. Failure to comply with the rules will result in disciplinary action.

Passes (FSHS Student Handbook):

Students should never be out of an assigned class and in the corridors without a pass from appropriate school personnel.

Class Discipline (FSHS Student Handbook):

Class interruptions and distractions will not be allowed. The severity of the offence will determine what discipline is received. I will handle discipline by:

- 1st – Verbal warning in class / conference after class
- 2nd – Conference in the hallway & parent phone call
- 3rd – Conference with Assistant Director in the office

What is an SAE?

The supervised agricultural experience (SAE) program involves real-world agricultural activities done by students outside of planned classroom and laboratory time. SAE's provide a method for students to receive practical career skills in a part of agriculture in which they are interested. An SAE is an essential element to the agricultural education program. The SAE is formulated by the student with the support of parents, employers, and the agricultural instructor. The student will keep track of their hours worked and the amount of money they earned within their record book.

The Importance of the SAE Program

An SAE extends far beyond the classroom. Skills acquired through SAE's stay with students for a lifetime and positively impact others as they grow. Having an SAE is essential for the student to succeed in the agricultural education program. SAE programs benefit students, schools, employers, communities, parents, and teachers.

Benefits of SAEs to Students

- Builds self esteem
- Application of business practices
- Focuses on individual skills
- Encourages citizenship
- Provides educational opportunities
- Develops work ethic
- Teaches responsibility
- Establishes rapport with employers

Benefits of SAEs to the Education System

- Provides a relationship with the community
- Encourages academic success
- Creates awareness and understanding of technology
- Increases agricultural skills
- Encourages civic engagement
- Provides relevance to the curriculum
- Benefits to the Agricultural Industry
- Provides labor
- Maintains involvement with the community
- Creates a pathway from education to career focus
- Helps keep students aware of new and relevant instruction
- Develops engaged employees

Student Signature: _____ Date: _____

Parent or Guardian
Signature: _____ Date: _____

Due Friday, September 11th