

*Bluff Dale High School*  
***Principles of Agriculture, Food, and Natural Resources***  
*Syllabus with Scope & Sequence*  
*2025-2026*

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Conference Period: 3:13-4:00

**Course Description:**

This course is an introductory class that prepares students for careers in agriculture, food, and natural resources. The emphasis is on career opportunities, personal development, globalization, industry standards, details, practices, and expectations. Students will have opportunities to gain knowledge and skills related to plant and animal systems, food production, mechanical systems, entrepreneurship, leadership, and environmental sciences.

- Credits: 1 credit
- Grades 9-10 (required of all ninth or tenth graders wanting to take an Ag. Class)
- Required prerequisite: none

**TEKS:** <http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130a.html#130.2>

**Career Cluster/Pathway:** Agriculture, Food and Natural Resources

**Endorsement:** none

**Industry Certification/Credentials:** Beef Quality Assurance

**Primary Instructional Materials:** iCEV

**Supplemental Instructional Materials:** Texas A&M IMS

**Supplies needed:**

- composition book
- pen and/or pencil

**Course Objectives:**

- The student learns the employability characteristics of a successful employee.
- The student develops a supervised agriculture experience program as it relates to agriculture, food, and natural resources.
- The student identifies concepts related to cultural diversity.
- The student describes the historical, current, and future significance of the agricultural industry.
- The student analyzes the structure of agricultural leadership in organizations.
- The student explains agriculture, food, and natural resource systems at the local, state, national, and international levels.
- The student demonstrates appropriate personal and communication skills.
- The student applies appropriate research methods to agriculture, food, and natural resources topics.

- The student applies problem-solving, mathematical, and organizational skills in order to plan and propose supervised agricultural experience programs as well as maintain financial and logistical records.
- The student uses information technology tools specific to agriculture, food, and natural resource to access, manage, integrate, and create information.
- The student develops technical knowledge and skills related to plant systems.
- The student develops technical knowledge and skills related to animal systems.
- The student describes the principles of food products and processing systems.
- The student safely performs basic power, structural and technical system skills in agricultural applications.
- The student explains the relationship between agriculture and safety, health, and the environment.

#### Scope & Sequence:

Instructional Units	Pacing
Introduction to Agriculture Science Cluster Leadership, FFA, SAE, & Recordkeeping Employability characteristics of a successful employee Personal and Communication Skills	1 <sup>st</sup> nine weeks
Agriculture Around the World Agriculture, food, and natural resource systems at the local, state, national, and international levels Animal Science	2 <sup>nd</sup> nine weeks
Plant & Soil Science Food Science Environmental Science	3 <sup>rd</sup> nine weeks
Entrepreneurship and Agribusiness Safety, health, and the environment Basic power, structural, and technical system skills in agricultural applications Finals	4 <sup>th</sup> nine weeks

#### Grading Policy:

Your final grade will be based on your progress throughout the semester in the areas of applied skills, test, and daily work. The test grades come from satisfactorily completing applied skill projects and test. There will be at least one project and one test every grading period. The daily work portion of your final grade includes homework, notebook, record book, and daily participation. They will be weighted as follows:

- Tests and Projects 40%
- Daily Work 60%

Class participation grades will be based on the following scale.

- Student exhibits on-task behavior and attitude the entirety of the class period-90-100
- Student exhibits on-task behavior and attitude more than half of the class period-80-89
- Student occasionally exhibits off-task behaviors and attitudes-70-79
- Student regularly exhibits off-task behaviors and attitudes-60-69
- Student does not participate-less than 59.

**Bonus Points:**

Extra credit or bonus points may be earned and will be added to each nine weeks grade for attending and participating in various FFA activities ranging from 1-5 points.

- Superior Effort                      1-5 points
- FFA participating                      2 points for local activities and 3 points for each above local events

**Makeup/Late Work:**

It is the responsibility of the student to obtain all makeup work assignments for the day(s) they were absent, or missed class. Lab participation cannot be made up. All school policies regarding makeup and late work will be followed.

**Failed Assignments:**

Students will be given one opportunity to redo each failing assignment, such as quizzes, homework, test, or projects. Redo work must be turned in within seven calendar days of it being returned to the student. All redo assignments must be on a separate sheet of paper. The missed question and correct answer must be provided with rational and explanations as to how this answer is correct. The student has two options on how to complete this. First option is to type all the required information and either email to [tingle.brooklin@bdisd.net](mailto:tingle.brooklin@bdisd.net) or print it and turn it into the appropriate box.

**Supervised Agricultural Experience Program (SAEP):**

It is not a requirement that Ag Science students raise a livestock project. Many do choose to develop their awareness of agriculture through this unique opportunity. However, it is a requirement that each Ag Science student selects an SAEP and develops it over the course of the school year. The SAEP is the foundation of Ag Science and the FFA. It is what sets this program apart from other elective courses. A well-planned and executed SAEP will help develop maturity, responsibility, and commitment and provide many leadership development opportunities.

The SAEP is a very personal and individualized educational experience. Each student will set goals and develop a strategy for completing a successful SAEP. The most common SAEPs chosen are:

Livestock production  
Horticulture  
Ag Mechanics

Leadership  
Exploratory  
Community Service

**Record books and SAEP Journals:**

Each student will be required to maintain an AET (Agriculture Experience Tracker) journal. Each student must maintain a journal of activities and skills accomplished. Each student will be instructed on the proper procedures and will be given class time to complete the SAEP journal. All journal pages and SAEP records will be online through the <http://www.theaet.com/> website.

**FFA Membership and Participation:**

All Agriculture Science students are encouraged to join FFA and are encouraged to become active within the chapter. FFA is an extracurricular club for students enrolled in an Ag class. Participation can include

chapter meetings, community service activities, organized social events, personal leadership development, competitions, conventions and livestock projects. Participation has many levels of participation as well, from chapter to district to area to state then national. FFA is the largest youth-led student organization in the country and has been part of public schools since 1928. I have high hopes that Leggett ISD will be a very active chapter, which allows students to explore their interest in agriculture and make life-long friendships with peers of similar interest.

FFA membership allows for participation at the local, district, area, state, and national levels. All members will receive a subscription to a bi-monthly national magazine, *FFA New Horizons*.

**Note:** Conditions of this syllabus may be modified, at the discretion of the teacher.

*\*\*\*PLEASE REMOVE THIS PAGE AND ATTACH PAYMENT\*\*\**

## Principles of Agriculture, Food, and Natural Resources

### Course Agreement

Please check the circles:

- ☐ I have read and understand the course syllabus for Principles of Agriculture, Food, and Natural Resources.
- ☐ I understand that my student will choose to develop a Supervised Agricultural Experience Program (SAEP). Livestock projects are not required, but are optional. I understand that there are many options for the SAEP.
- ☐ I understand that my student will become a member of the Leggett FFA Chapter for the 2025-2026 school year.

\_\_\_\_\_  
Parent/Guardian signature

\_\_\_\_\_  
Date

### Student Commitment

Please check the circles:

- ☐ I will follow the classroom code of conduct.
- ☐ I have read and understand the course syllabus Principles of Agriculture, Food, and Natural Resources.
- ☐ I will select a Supervised Agricultural Experience Program that relates to my interest and abilities.
- ☐ I plan to become involved in FFA activities and events.

\_\_\_\_\_  
Student signature

\_\_\_\_\_  
Date