Course Syllabus

**Principles of Agriculture, Food, and Natural Resources**

*Agriculture, Food, & Natural Resources*

*New Diana High School*

**Teacher:** Dylan Bacon

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**Course Description**

The purpose of this course is to introduce students to the science, art, leadership, and essential functions of American and global agriculture.

**Learning Goals**

Throughout this course, the students should achieve the following competencies and skills:

* Begin a Supervised Agriculture Experience (SAE) as defined by TEKS Chapter 130, Subchapter A.
* Understand the fundamentals of Animal Science, including livestock breeds, management, and production
* Understand the fundamentals of Plant Science, including basic horticulture, agronomy, and soil science
* Understand the fundamentals of agriculture mechanics and power systems, including safety and use of hand tools
* Understand the fundamentals of food production and safety
* Develop skills in leadership through FFA involvement and parliamentary procedure
* Develop basic skills of oral and written communication
* Explore the characteristics of a good employee and various careers in agriculture
* Understand the role of agriculture on the local, state, national, and global levels
* Become aware of current issues in the agriculture industry

**Supplies Required**

* Pencil or Pen
* Composition Notebook (Wide or College Rule)
* Plastic folder or 1” Binder
* Closed-toe shoes (for lab days)

**Grading Procedures**

50% of the students’ grade will be determined by tests, including:

* Formative and Summative Assessment
* Supervised Ag Experience Assessment
* Major Projects

50% of the grade will come from Daily Assignments and Quizzes

The minimum grade for any **completed** daily assignment or assessment is 50%. If the assignment is not completed by the student, they will receive the grade they would normally earn without the 50-Point completion threshold.

**Late Work**

Daily assignments not ready for submission by the due date will incur a 20-point penalty per day they are late. Assignments more than 2 days late will not be accepted.

**Absent Work**

Collecting assignments which the student missed due to absence is the responsibility of the student, NOT Mr. Bacon. Students will have the same amount of days to complete the missing assignment(s) as the class did originally. If the assignment is not turned in by the adjusted due date, the Late Work penalty will begin to be assessed.

(Example: If the class had 3 days to finish an assignment, the returning student will have 3 days to complete the same assignment upon their return).

**Year at a Glance**

Below is the scope and sequence of lessons throughout the school year. Please understand that anything listed below is subject to change due to schedule, resources, and other factors:

NOTE: The Supervised Agriculture Experience project will be introduced in the 1st 6 Weeks; however, every student will maintain an SAE project throughout the school year. Grades will be assessed every 6-weeks over student’s SAE.

1st 6 Weeks

*Intro to Ag; Agricultural Leadership & FFA*

* Introduction to Agriculture
* Supervised Agricultural Experience
* Principles of FFA
* Parliamentary Procedure

**Major Tests:** SAE Plan (Sept. 8), Intro Test (Sept. 14), FFA Test (Sept. 28)

2nd 6 Weeks

*Leadership (cont.); Ag Employment; Ag Safety*

* Parliamentary Procedure (cont.)
* Communication & Public Speaking
* Employment Skills
* Lab Safety

**Major Tests:** Parli (Oct. 5), 2 Min. Speech (Oct. 11-13), Lab Safety (Oct. 16)

3rd 6 Weeks

*Animal Systems*

* Intro to Livestock Production
* Livestock Evaluation
* Beef Cattle Production
* Dairy Cattle Production
* Poultry Production

**Major Tests:** Livestock (Dec. 1), Management Project X2 (Dec. 15)

4th 6 Weeks

*Animal Systems (cont.); Plant Systems*

* Sheep and Goat
* Intro to Equine Science
* Intro to Plant & Soil Science
* Horticulture
* Agronomy

**Major Tests:** Sheep, Goat, Equine (Jan. 11), Plant/Soil (Feb. 2), Experiment (Feb. 16)

5th 6 Weeks

*Food Science; Agricultural Law and Issues; Natural Resources*

* Intro to Food Science
* Agricultural Law and Policy
* Current Agriculture Issues
* Natural Resources & Stewardship

**Major Tests:** Food Sci (Mar. 2), Discussion Meet (Mar. 26-29), Natural Reso (Ap. 12)

6th 6 Weeks

*Agricultural Mechanics*

* Introduction to Ag Mechanics
* Shop Safety and Tool ID
* Power, Structural, & Technical Systems
* Transportation and Production Systems

**Major Tests:** Shop Safety (Ap. 20), Wood Project (May 4), Bead Plate (May 8), Cutout (May 14)