

NEW CLASS FORM  
School Year: 2019-2020

Course Title: Agriculture Farm Operations

Course Description: The course includes the care and management of animals kept at the school farm including feeding, weighing/marketing. The course also includes the maintenance of buildings, fences and equipment. The operation and maintenance of farm equipment shall be covered.

- Length of Course: Quarter / Semester / Year
- Course Grade Level: 9 / 10 / 11 / 12
- Course Credit: 2.5 / 5.0 / 10.0
- Requirement: Yes / No
- Elective: Yes / No
- UC (a-g) Course: Yes / No

- Prerequisite: Ag Core and one additional ag course
- Recommendations: Students enjoying working/building

- Special Notes: Teacher must approve student to enter class
- Homework: Only if the students need to finish a project or develop an understanding of new equipment.



# — WILLOWS HIGH SCHOOL —

## AGRICULTURE DEPARTMENT Agriculture Farm Operation Course Syllabus

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### COURSE INFORMATION

Prerequisites: Ag core and second Year of ag      Grade level: 11 &12-year Agriculture Students

### COURSE DESCRIPTION

The course content includes the care and management of animals kept at the school farm including breeding, feeding, weighing and marketing. The course also includes the maintenance of buildings, fences and equipment. The operation and maintenance of farm tractors and equipment are covered.

**Expected Standards of Student Achievement:** By the conclusion of the course the student should be able to:

1. Demonstrate the ability to mark animals.
2. Review safe and practice use of hand tools and common power tools, pass a written test on these tools and practice.
3. Understand safe tractor skills, pass a written test and a driving test
4. Understand the maintenance for the care and upkeep of a tractor and farm equipment.
5. Be able to identify basic parts of a tractor and farm.
6. Be able to trouble shoot and repair tractor engines.
7. Care and management of hogs, lambs and steers with feeding programs, vaccinations and fly control
8. Be able to give vaccinations and ear tag livestock
9. Be able to select livestock for quality
10. Maintain upkeep of farm buildings corrals, shop, equipment, plumbing, electrical and painting.
11. Maintain and upkeep of lawns pasture and trees
12. Display safety skills in new construction of wood, metal or concrete work.
13. Become familiar with the opportunities available through the FFA
14. Keep a record book on projects in class along with projects out of class which includes: journal of expenses and receipts. B). budget c). calendar of events. d). business agreement e.) inventories.

15. Students will have a career folder. This folder will include classes enrolled in copy of transcript, FFA awards and activities, occupational experience and exploration and interest abilities, values and personality assessments.
16. Properly feed and manage beef, sheep, and swine.
17. Fit and show market beef, sheep and swine.
18. Make minor repairs on fences and farm buildings.
19. Maintain an accurate farm account book.
20. Maintain farm tractors and equipment.
21. Gas and arc weld farm machinery and equipment.
22. Develop leadership skills and responsibility through participation in the FFA organization.

These skills provide practical application for theories reinforced in math and science. FFA and Supervised Agriculture Experience Programs (SAEP) participation is required and graded. Additionally, students will have the unique prospect of developing premier leadership, personal growth and career success through the opportunities offered in the National FFA Organization. There are currently over 500,000 students taking advantage of these opportunities around the United States, including over 66,000 of those in the State of California.

#### COURSE PERFORMANCE OBJECTIVES

The Student will:

- ☞ Complete all projects and tasks with 100% effort.
- ☞ Prepare documentation of basic records necessary in Agriculture Mechanics.
- ☞ Develop valuable leadership skills that will carry into the student's adult life.

#### COURSE MATERIALS

*Student will provide:*

- ☞ Necessary writing utensils (blue/black pens, pencils, highlighters, etc.)
- ☞ Lock for shop locker.
- ☞ Long sleeve shirt, shop jacket, or coveralls.
- ☞ Close toed shoes that can be kept in shop locker.

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#### STUDENT EXPECTATIONS & GUIDELINES

- ☞ Turn in all assignments on time.
- ☞ Students are to be in the classroom when the tardy bell rings. Failure to do so will result in a tardy.
- ☞ All personal grooming items are to remain in student's backpack.
- ☞ Hats, Cell Phones, iPods, and other electronic devices are to remain in the student's backpack turned off during class time.
- ☞ Food, drinks and gum stay outside the door, or in the trash. Water is permitted.

- ☞ NO SHORTS, SKIRTS, LOOSE FITTING CLOTHING, OR OPEN TOED SHOES ALLOWED IN THE SHOP, AND LONG HAIR MUST BE PULLED BACK IN A PONY TAIL.
- ☞ The students will not be able to participate in any shop activities until they pass the Safety Exams with 100%, and attend all safety meetings for equipment.

☞ EXPECTED BEHAVIOR  
**BE COURTEOUS**

**BE ACCOUNTABLE**

**BE RESPECTFUL**

### COURSE GRADING PROCEDURES

- 50% **Coursework** (This includes Assigned Projects and Class work) \*\*  
- To earn the full 50%: The student must complete each assignment according to oral and written expectations. As this class relies heavily on experiential learning there is not much outside of class homework. Thus, missing class and not rescheduling time to complete coursework can weigh heavily on a student's grade.
- 15% **Quizzes, Tests and Exams\*\***  
- To earn the full 15%: The student needs to be present on all exam dates and pass each exam with 100%.
- 20% **Daily Participation**  
- To earn the full 20%: The student must attend class regularly, engage 99% of the time in all classroom/shop activities, and complete all timesheets. Research shows that minimal to no participation affects coursework and exam scores immensely.
- 15% **FFA/SAE**  
- To earn the full 15%: The student must earn a minimum of 15 FFA points per academic quarter According to the Willows FFA Point Award System, have plans for a Supervised Agriculture Experience Project, and adequately maintain an FFA Record Book.

\*\* Late work for unexcused/excused absences will only be accepted at specific times during each quarter. Any unexcused/late work is worth 80% of its original total. It is the students' responsibility to collect any necessary materials regarding late work, excused or unexcused.

### GRADING SCALE

**A = 100% - 90%**

**B = 89.9% - 80%**

**C = 79.9% - 70%**

**D = 69.9% - 60%**

**F = < 60%**

THE AGRICULTURE EDUCATION 3-RING MODEL

