

Dallas High School

Home of the Dragons



Intro. To AFNR **2022-2023**

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Office Hours: by arrangement

Course Description:

The introduction to Agriculture, Food, and Natural Resources course is meant to be an entry level course for students interested the broad range of subjects that make up agricultural education. These subjects may include: animal science, food science, natural resources, forestry, crop production, soil management, agricultural mechanics, agricultural sales and much more. The course will lightly cover a variety of topics to give students a taste of each.

Standards to Be Assessed:

Upon successful completion of the course, students should be able to:

1. Acquire the specific academic knowledge and skills necessary to pursue a full range of career and post-secondary opportunities within agricultural business and industries.
2. Use oral and written communication skills in creating, expressing and interpreting agricultural information
3. Communicate agricultural technical information clearly and efficiently
4. Solve agriculture problems using critical thinking skills
5. Identify agriculture related organizations
6. Provide for the proper health care of plants.
7. Identify contentious issues in animal science.

8. Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.
9. Prepare a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth
10. Propagate, culture and harvest plants.
11. Demonstrate horticulture standards and skills specific to Oregon's horticulture industry.

Course Outline: First Semester

	Unit Topic	Summative Assessment	Standards
Unit 1	What is AG and who is involved?	promotional brochure – (rubric) FFA / AG unit quiz	AG 01.01 Acquire the specific academic knowledge and skills AG 05.01 - Identify agriculture related organizations
Unit 2	Soil and soil evaluation	Practicum – soils judging career development event Score cards Unit test Soil lab 1,2,&3 lab reports	AG 02.02 - Communicate agricultural technical information Plant 02. - Prepare a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth.
Unit 3	Current Issues in agriculture	presentation	AG01.02.01 - Describe current issues impacting AFNR activities. AG01.05.02 - Identify significant environmental and economic issues facing AFNR.
Unit 4	Woodworking	A safety portfolio to include safety exams for each piece of equipment and written proof of safe operational demonstration. Clip board project (rubric)	AG 02.01 Use oral and written communication skills AG 06.03 - Understand appropriate health and safety emergency procedures AG 06.02 - Identify health goals, emergency procedures for safety and first-aid

Unit 5	Livestock production	Project/research	1. Explain the variety and scope of managed animal systems in the United States and around the world including: livestock, poultry, aquaculture, companion animals, zoo animals, and exotic animals.
Unit 6	Ag Communication	Classroom activity - rubric	AG 02.01 - Use oral and written communication skills in creating, expressing and interpreting agricultural information
Unit 7	Requirements for plant growth and reproduction	Unit exam Practicum – seeding Seed lab / PGR lab	Plant 01. - Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.

Semester II

	Unit Topic	Summative Assessment	Standards
Unit 1	Plant propagation	Practicum – cuttings, layering, grafting, etc. videos Plant propagation lab – lab report.	Plant 03. - Propagate, culture and harvest plants. Plant 06. - Horticulture standards and skills specific to Oregon's horticulture industry
Unit 2	Scientific Inquiry & Design	Heredity lab and lab report Unit quiz	AG 02.02 - COMMUNICATE AGRICULTURAL TECHNICAL INFORMATION CLEARLY AND EFFICIENTLY AG 03.01 - SOLVE AGRICULTURE PROBLEMS USING CRITICAL THINKING SKILLS
Unit 3	Horse science	Exam and practicum	ANS 03. - Provide for the proper health care of animals. AG 01.01 - ACQUIRE THE SPECIFIC ACADEMIC KNOWLEDGE AND SKILLS
Unit 4	Introduction to metals & welding	Practicum, safety tests, and labs	PST 01. - Use physical science principles and engineering applications with power, structural and technical systems to solve problems and improve performance
Unit 5	Requirements for plant growth and reproduction	Unit exam Practicum – seeding Seed lab / PGR lab	Plant 01. - Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.

Unit 6	Introduction to ag marketing	Group projects	AG 01.01 ACQUIRE THE SPECIFIC ACADEMIC KNOWLEDGE AND SKILLS AG 05.01 - IDENTIFY AGRICULTURE RELATED ORGANIZATIONS
Unit 7	Livestock feeding and care	Unit exam	AG 02.01 - USE ORAL AND WRITTEN COMMUNICATION SKILLS IN CREATING, EXPRESSING AND INTERPRETING AGRICULTURAL INFORMATION ANS 09. - Identify contentious issues in animal science.
Unit 8	Forage production	Practicum exam	AG 02.01 - USE ORAL AND WRITTEN COMMUNICATION SKILLS IN CREATING, EXPRESSING AND INTERPRETING AGRICULTURAL INFORMATION

Grading and Assessment:

The following grading scales will be used to calculate a student's course grades and grade point average:

Course Grades will be calculated using the following scale:	Grade Point Averages (GPAs) will be calculated using the following scale:	GPAs for Advanced Placement courses will be calculated using the following scale:
A 90-100%	A (4.0)	A (5.0)
B 80-89%	B (3.0)	B (4.0)
C 70-79%	C (2.0)	C (3.0)

D 60-69%	D (1.0)	D (2.0)
F 0-59%	F (0)	F (0)

- Teachers may extend the retake time period, but as a rule, all retakes need to be done within **2 weeks** of the initial assessment.
- Students will complete extra preparation before retaking an assessment.
- Personal management work turned in late may be reduced by up to 50% credit.
- Retakes are not allowed on Personal Management assignments.
- Students must schedule performance retakes at their teacher’s convenience. (Speech, drama, labs.)
- All projects/assignments must be completed within the Dallas High School AST program facility. You may not make up labs and or projects at home.
- You will be supplied sufficient materials for your assigned project, any project requiring additional materials beyond that which was originally supplied may result in additional fees.

Extra Credit: Extra credit is not offered, however, students may be given additional opportunities to show mastery.

Academic Integrity

The faculty and administration of Dallas High School believe that honesty and integrity are personal attributes worth nurturing in our students. Because we value the educational and skill development opportunities provided by classroom assignments, research projects, tests, and credit recovery, we expect students to express academic integrity by doing their own work and properly documenting information gathered from other sources. Congruous with this belief is our resolve to handle those who violate the principles of academic integrity with stringent consequences as outlined in the [K-12 Code of Conduct](#).

Student Behavior and Expectations:

Students are expected to demonstrate appropriate behavior in the classroom and contribute to a safe, positive, caring learning environment by cooperating; doing their best to achieve academic excellence; respecting themselves, others, and the environment; and conducting themselves in a safe manner at all times. Clearly defined behavioral expectations are consistent school-wide through the Dragon **PRIDE** acronym. We strive to teach our students to take **PRIDE** in

themselves and the school by demonstrating: **Purpose, Respect, Integrity, Determination,** and **Empathy** at all times. For more information, please see the [Student/Parent Handbook](#).

Student Electronic Devices at Dallas High School:

Students are allowed to possess personal electronic devices at school and at school-sponsored activities provided such devices are not used in any manner that may disrupt the learning environment, school-sponsored activities or violate Board policies, administrative regulations, school or classroom rules, or state and federal laws. Cell phone usage is **only** permitted during scheduled passing periods and lunch times. Students are not allowed to be on their phones in the hallways and other common areas during class time and cell phone usage in the bathrooms and locker rooms is prohibited **at all times**. Students must use a Chromebook or laptop to complete and submit coursework. Cell phones cannot be used for this purpose and can only be used during class time with express advance permission from the teacher.

Diversity

Dallas School District #2 recognizes the diversity and worth of all individuals and groups and their roles in society. It is the policy for the Dallas School District #2 Board of Education that there will be no discrimination or harassment of individuals or groups on the grounds of age, color, creed, disability, marital status, national origin, race, religion, sex or sexual orientation in any educational programs, activities or employment.

Gender

Dallas High School will be proactive in creating a school culture that respects and values all students and fosters understanding of gender identity within the school community. Such guidelines are intended to ensure a safe learning environment free of discrimination and harassment, and to promote the educational and social integration of transgender students. They do not anticipate every situation that may occur and the needs of each student will be assessed on a case-by-case basis.

DHS Agricultural Education Agreement

Parents/Guardians: Please sign this sheet, detach, and send back with your student. By signing this form, you acknowledge that you have read and fully understood the expectations, rules, and standards associated with Introduction to AFNR. You also fully understand the need for complete cooperation from your student in a class of this nature. Should you have questions, please call 503-623-8336 x 3212 or email using the email address provided in this document.

Please note that student grades and progress are available via the eschool access portal on our high school website. It is recommended that parents who wish to track their student's progress utilize this system to do so.

I acknowledge that I have read and understand the syllabus for this course and understand the policies described within.

Student Signature:

_____ Date: _____

Parent or Guardian

Name (Print) _____ Signature _____

Below please indicate the best method of contact as well as the best time to contact. (email, phone, etc.)

With the passage of senate bill 2444 all students enrolled in agricultural education course at Dallas High School will have paid membership in the National FFA Organization. Students have access to and are encouraged to participate at the level with which they feel comfortable. The FFA is a youth leadership organization that is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. If you have any questions please ask.