

10th Grade-Foundations of Agriculture

Syllabus

Instructor Information

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Course Information

Grade Level: Sophomores

Course Meets: Monday-Friday

Available Credit: 1 Elective Credit toward graduation requirements

*Credit is useful for the **ND Academic Scholarship and ND CTE Scholarship**

Course Duration: Year long

Pre-Requisites: Beneficial to have Exploratory Agriculture 7, 8, and Introduction to Agriculture prior to taking this course, however, it is not required.

Course Description: This applied course is designed to introduce students to agriculture, its applications, and leadership development as the core foundation of the Agriculture Education program. It provides an overview of many different areas in agriculture. Units of instructions are building blocks to help further studies in the Advance Ag Courses.

Materials:

- *Writing utensil (pencils for shop and homework assignments; blue or black pen for note taking and class activities)
- *Three-Ring binder
- *Notebook or Loose-leaf paper
- *Flash Drive
- *Appropriate Shop/Lab Clothing (on shop days only)
 - Long pants
 - Closed-toe shoes
 - No "baggy" clothing
 - Hair ties to pull back long hair

POSSIBLE CONTENT STANDARD AREAS TO BE TAUGHT IN CLASS

Units to be taught with flexibility.

- Continue their education in FFA and its leadership activities / opportunities.
 - Demonstration
 - FFA People
 - Etc.
- Complete a record book, where they will understand the importance of accurate records.
 - AET Program
- Advanced Hand Tool and Advanced Power Tool Safety
- Reading & Calculating a Bill of Materials
- Construct and Build Wood Project Bill of Materials
- Introduction to Welding & Intermediate Metal Work
 - Arc Welding
 - Wire Welding
 - Plasma Cutting
 - Etc.
- Agriculture Career and Business Unit
- Animal Science Unit
 - Reproduction Systems
 - Digestive Systems
 - Structural Systems
- Genetics Detailed standards found at <https://www.nd.gov/cte/programs/agriculture/>

Possible Projects

Wood: (Subject to change)

- *Adirondack Lawn Chair
- *Adirondack Ottoman
- *Bookshelf
- *Etc.

Metal: (Subject to change)

- *Will depend on time and completion of practice welds
- *Possible Projects:
 - C-Clamp
 - Two Wheel Cart
 - Small Plasma Art
 - Tool Gauge
 - Gambrel
 - Etc.

Educational Displays

- *Animal Science Displays
- *Resume Building
- *SAE Online Record Books
- *Proficiency Applications
- *Etc.

****Daily Participation Points will be issued when the students are engaged in a lab situation in the shop or classroom. Ten points per day will be the maximum each student will be able to earn. The following is a guideline that the Instructor will use for evaluation and granting of points to each student.***

Points Earned	Degree of Participation
10	-Student worked diligently/took part in the activity to best of his or her ability for the duration of the class period. The student also followed all outlined safety procedures, assisted in clean up at the conclusion of the activity, and waited for dismissal from the instructor.
5	-Student worked diligently/took part in the activity to the best of his or her ability for the duration of the class period. However, he or she did not deem it necessary to assist their classmates in clean up at the conclusion of the class period and/or await dismissal from their instructor. (Examples include: wearing safety glasses, proper storage of shop and lab equipment, etc.)
0	-Student worked diligently/took part in the activity to best of his or her ability for the duration of the class period. However, he or she did not deem it necessary to follow all of the outlined safety procedures throughout the activity. (Examples include: repetitively reminded about wearing safety glasses, proper use of power tools, shop and lab equipment, shop procedures, horseplay, etc.)

As you may see, the preceding is a pass or fail option. Stellar work habits, sound implementation of safety and sanitation practices, performance of assigned clean up duties, and solid listening skills will ensure success-not only with your course grade, but long into your future as well. Shoddy workmanship, shortcuts that compromise safety and laziness will not be tolerated. Take pride in your work, our equipment, and our wonderful facility!

Agriculture Education Lab and Classroom Policies

*Students will follow the Student Handbook and additional shop and classroom policies provided to them the first week of school. See also: "Lab and Classroom Policies" under the Agriculture Education section of the Max Public School Webpage.

Student Evaluation and Classification

The grading system shall be:

- A-Superior (100-93)
- B-Above Average (92-85)
- C-Average (84-77)
- D- Below Average (76-69)
- F Failing (68 and below)

Websites-

- **National FFA Website** www.ffa.org
- **The Agriculture Experience Tracker** www.theaet.com
- **Max Public School Website** www.max.k12.nd.us
- **North Dakota FFA Website** www.ndffa.org
- **North Dakota FFA Foundation Website** www.ndffaoundation.com