

Ag Construction Skills



Course Description: Prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, welding, metal fabrication, plumbing, and masonry. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course may be extended to two credits offered on a two-hour basis provided that instruction is enhanced with laboratory experience, project construction, and in-depth skill development.

Students will:

- Demonstrate employability and social skills relative to the career cluster.
- **Demonstrate safe usage of hand woodworking and metal working tools.**
- Demonstrate safe usage of portable and stationary power machines.
- Employ safe usage of electric arc welding techniques and machines.
- Employ safe usage of gas heating, cutting, welding, and brazing techniques and equipment.
- Use plumbing tools and fixtures.
- Utilize tools, techniques, and formulas for concrete construction.
- Demonstrate the basic principles of electricity.
- Select proper painting materials and tools.
- Develop project plans including plans and bill of materials for agricultural project construction.
- Relate the influence of agricultural mechanics industry on globalize production.
- Maintain records on supervised agricultural experience program and be able to summarize and analyze results in making financial decisions.
- Utilize activities of FFA as an integral component of course content and leadership development.



Vocational Agriculture Department

Classroom Expectations and Procedures

ARRIVAL TO CLASS

- ◆ Be in your seat when the bell rings.
- ◆ Class begins promptly each day.

ASSIGNMENTS

- ◆ Assignments are only made up according to excused absentee or school trip and will be due within five school days.

CURRICULUM

- ◆ This is Vocational Agriculture Department; if this doesn't interest you then you would be better suited to find another elective.

BE PREPARED

- ◆ Bring your notebook and blue or black ink pen or pencil to class every day.

MANNERS

- ◆ Raise your hand if you have a question.
- ◆ Be a nice person, teachers and your classmates will be nice in return.
- ◆ Respect the teacher, as well as everyone around you.
- ◆ Substitutes-I will explain.

HALL PASS

- ◆ When leaving the classroom, do so quietly, not disturbing anyone else.
- ◆ You must ask permission and sign out before you leave. Please understand that not all requests will be approved.
- ◆ *Make all restroom and phone calls between classes. STUDENTS WILL NOT BE PERMITTED TO ROAM THE HALLWAYS.*

CHEATING

- ◆ Zero tolerance. If caught on a test an automatic zero!

CELL PHONES

- ◆ Cell Phones should be put up and never taken out for any reason during class. If I hear a cell phone, I will take it and turn it in to the office. **NO Exceptions!!!!**
- ◆ Do not receive or make a phone call during my class.

END OF CLASS

- You must remain seated until the bell rings. I dismiss class-not the BELL!*
Clean up around your area.
- ◆ When leaving make sure any books that you used are put back on the shelf. If you leave books out class will have to do a writing assignment as discipline.

ABSENCES (Follow School Policy)

- ◆ The best way to learn is to be here! It is your responsibility to find out what you missed. Ask a classmate or ask me before or after class.
Tardies-Tardies disrupts teaching and learning! I will not tolerate!

GRADING

- ◆ General Grading (Straight-point System)

Formative Assessment	Quizzes Daily/Homework/Participation	0%
Summative Assessment	Unit Exams/ Projects	100%
Total		100%

Participation and work ethic is a big part of the grading in hands on activities.

Work Ethic-If dirt, sweat, and manual labor are an issue, then a different elective might be better suited for you.

MATERIALS NEEDED FOR CLASS

Three-ring binder (1 ½ or larger) with paper, or notebook of your preference with pockets for handouts.

Blue or black ink pen or pencil (Pens & Pencils For Sale-. \$.25)

FFA

- ◆ FFA is a co-curricular organization for students enrolled in vocational agriculture classes or has been enrolled.
- ◆ Class time will be allowed for FFA activities and FFA Projects may substitute for grades on class assignments as approved by the teacher.
- ◆ FFA is a great organization and I strongly encourage you take advantage of the opportunities that FFA has to offer each of you.
- ◆ FFA Dues are \$15.00 with the free T-Shirt.

Classroom Rules & Expectations

1. Be prepared every day to learn and work.
2. No talking when I am talking. Listen!!!
3. Respect me as well as fellow students.
4. Be at school every day. Attendance is very important!!!
5. No sleeping in my class, all students will participate in class activities.

NOTE: According rule or expectation that is broken will depend upon severity of punishment.