

Clifton-Clyde High School

Name _____ SSN ____-____-_____

Instructor _____

RATING SCALE:
 3: Skilled, works independently
 2: Competent, may need assistance
 1: Received instruction, skill undeveloped
 0: No exposure, instruction or training

INTEGRATION:
 (M) Math (S) Science
 (E) Language Arts (C) Career Development Skill
 (L) Lab Activity

Agricultural Construction

Enrollment Date ____/____/____	Completion Date ____/____/____	Hours completed _____
I certify that the student received the training in the area indicated.		
Student Signature _____	Date _____	
Instructor Signature _____	Date _____	
Administrator Signature _____	Date _____	

I. Sketching and Drawing Projects

- 3 2 1 0 1. Identify common drawing equipment
- 3 2 1 0 2. Match basic drawing symbols with their definitions
- 3 2 1 0 3. Distinguish between pictorial and three-view drawings (E)
- 3 2 1 0 4. Use common drawing techniques to represent ideas
- 3 2 1 0 5. Read and interpret a drawing (E)
- 3 2 1 0 6. Make a three-view drawing of a given object (E,M)
- 3 2 1 0 7. _____
- 3 2 1 0 8. _____

II. Safety

- 3 2 1 0 1. List safety equipment
- 3 2 1 0 2. Identify safety rules
- 3 2 1 0 3. Analyze what to do in an emergency (E,S)
- 3 2 1 0 4. Classify fires and use of fire extinguishers
- 3 2 1 0 5. Identify safety colors and what they mean
- 3 2 1 0 6. Pass safety exam with a 100% (L)
- 3 2 1 0 7. Demonstrate safe operation of the oxy-acetylene torch (L)

- 3 2 1 0 8. Demonstrate safe operation of the plasma cutter (L)
- 3 2 1 0 9. Demonstrate safe operation of the chop saw (L)
- 3 2 1 0 10. Demonstrate safe operation of the grinders (L)
- 3 2 1 0 11. Demonstrate safe operation of the drills (L)
- 3 2 1 0 12. Demonstrate safe operation of the arc welder (L)
- 3 2 1 0 13. Demonstrate safe operation of the MIG welder (L)
- 3 2 1 0 14. Demonstrate safe operation of the metal saw (L)
- 3 2 1 0 15. Write and present a safety demonstration of a given tool (E,C,L)
- 3 2 1 0 16. _____
- 3 2 1 0 17. _____

III. Shop Skills

- 3 2 1 0 1. Complete a bead, butt, lap and tee with the arc welder and E6011 (C,L)
- 3 2 1 0 2. Complete a bead, butt, lap and tee with the arc welder and E6013 (C,L)

- 3 2 1 0 3. Complete a bead, butt, lap and tee with the MIG welder (C,L)
- 3 2 1 0 4. Cut a 2" x 2" square of steel with the oxy-acetylene torch (C,L,M)
- 3 2 1 0 5. _____
- 3 2 1 0 6. _____

IV. Project Construction

- 3 2 1 0 1. Design a project to be constructed (M,S,L)
- 3 2 1 0 2. Create a three-view drawing of the project (M,L)
- 3 2 1 0 3. Develop a project estimate from the drawing (M,L)
- 3 2 1 0 4. Measure and cut pieces for project (M)
- 3 2 1 0 5. Assemble pieces (L)
- 3 2 1 0 6. Prepare for finish (L)
- 3 2 1 0 7. Apply finish (L)
- 3 2 1 0 8. Formulate bill of materials (M,C,L)
- 3 2 1 0 9. _____
- 3 2 1 0 10. _____

V. TIG Welding

- 3 2 1 0 1. Identify the parts of the TIG welder

- 3 2 1 0 2. List safety equipment needed to operate the TIG welder
- 3 2 1 0 3. Prepare tungsten for welding (L)
- 3 2 1 0 4. Set up welder for steel, aluminum, stainless steel (L)
- 3 2 1 0 5. Explain process of TIG welding (E)
- 3 2 1 0 6. Demonstrate a bead, butt, lap and tee joint (L)
- 3 2 1 0 7. _____
- 3 2 1 0 8. _____

VI. FFA/SAE

- 3 2 1 0 1. Prepare and compete in the Ag Mechanics CDE (E,C,L)
- 3 2 1 0 2. List steps for improving the SAE
- 3 2 1 0 3. Apply for chapter/district proficiency awards (E,C)
- 3 2 1 0 4. Examine goals and future plans for SAE (E,C)
- 3 2 1 0 5. Make arrangements for an SAE visitation by the instructor (E,C)
- 3 2 1 0 6. Demonstrate how to closeout a record book (M,C)
- 3 2 1 0 7. Perform end of year balances (M,C)
- 3 2 1 0 8. Complete an enterprise analysis (E,M,C)
- 3 2 1 0 9. _____
- 3 2 1 0 10. _____