WELDING

STUDENT GRADE RECORD

Career & Technical Education

WINDHAM SCHOOL DISTRICT

Student Name _____

TDCJ # _____

Social Security Number _____

Certified Craft Instructor _____

Certified Craft Instructor Code _____

Unit _____

WSD Certificate Y / N
If I were hiring for this position, I would: (check one) [____] 0-No recommendation at this time. (Cannot be used for Completers.) [____] 1-Hire this person and look no further. [____] 2-Interview this person along with other applicants [____] 3-Not hire this person.

Complete only if student attempted industry certification.

Name of Industry Certificate	Code	P/F
NCCER, Core	0300	
NCCER, Welding, Level-I	0371	
CSSO	0102	
OSHA	0100	

I attest that all of the information reported on this form is true.

_____

Certified Craft Instructor Signature

Date of Report – CORE _____

Date of Report – CSSO _____

Date of Report – Level I _____

_____

Sponsor Representative

Course Outline Modules	Industry Module Test	Industry Module Performance	Module Competency Rating
CORE			
0. CTE Orientation			
1. Basic Safety- 00101-09			
2. Introduction to Construction Math- 00102-09			
3. Introduction to Hand Tools- 00103-09			
4. Introduction to Power Tools- 00104-09			
5. Introduction to Construction Drawings- 00105-09			
6. Basic Rigging- 00106-09			
7. Basic Communication Skills- 00107-09			
8. Basic Employability Skills- 00108-09			
9. Introduction to Materials Handling- 00109-09			
WELDING LEVEL-I			
10. Welding Safety- 29101-09			
11. Oxyfuel Cutting- 29102-09			
12. Plasma Arc Cutting- 29103-09			
13. Air Carbon Arc Cutting and Gouging- 29104-09			
14. Base Metal Preparation - 29105-09			
15. Weld Quality- 29106-09			
16. SMAW – Equipment and Setup- 29107-09			
17. Shielded Metal Arc Welding Electrodes- 29108-09			
18. SMAW-Beads and Fillet Welds- 29109-09			
19. Joint Fit-Up and Alignment- 29110-09			
20. SMAW –Groove Welds with Backing- 29111-09			
21. SMAW-Open V-Groove Welds- 29112-09			

Windham Module Test Average		x . 75		a	Completer
Windham End of Course Exam		x . 25		b	
Windham Module Score (a + b=)				70+	
% Competencies Completed				70+	
Module Competency Rating				2.7+	

I hereby authorize the NCCER Registry Department to verify information in my craft training records to Sponsor Representatives upon request. I release and hold harmless the National Center for Construction Education and Research for this verification process.

Signature _____

Date _____

WELDING

STUDENT PROGRESS RECORD

RECORDING DIRECTIONS
SKILL RATING: Post the student's competency rating for each skill performed.
MODULE TEST SCORE: Enter the student's test score for the module.
MODULE RATING: Use the following scale to determine module rating:
[4] Skilled- Can perform competencies independently with no supervision.
[3] Moderately Skilled- Can perform competencies with limited supervision.
[2] Limited Skill- Requires instruction and close supervision to perform competencies.
Note: When evaluating a student's module rating, skill performance should be given priority.

CORE

0.CTE Orientation

Teacher Initial | Student Initial

____ | _____ 1. Identify employment opportunities related to the course.

____ | _____ 2. Identify the number of classroom hours a student must attend to be considered as a completer.

____ | _____ 3. Identify the industry-recognized certification.

____ | _____ 4. Identify course expectations including:
- Working conditions
- Attendance expectations
- Instructor's expectations

1. Basic Safety- 00101-09

Module Test Score _____
Minimum 100% Required
_____ ***Module Rating (4, 3, 2)***

_____ 1. Inspect personal protective equipment (PPE) to determine if it is safe to use (PPE should include safety goggles, hard hat, gloves, safety harness and safety shoes).

_____ 2 Properly don and remove PPE (safety goggles, hard hat, and fall protection).

_____ 3. Demonstrate safe lifting procedures.

_____ 4. Set up an extension ladder properly.

_____ 5. Demonstrate three-point contact on a ladder.

2. Introduction to Construction Math- 00102-09

Module Test Score _____

This is knowledge-based; there is no performance test.

3. Introduction to Hand Tools- 00103-09

Module Test Score _____
_____ ***Module Rating (4, 3, 2)***

_____ 1. Visually inspect the following tools to determine if they are safe to use:
- Hammer
- Screwdriver
- Saw

_____ 2. Make a straight square cut using a crosscut saw.

_____ 3 Safely and properly use a minimum of three of the following tools.
- Hammer and cat's paw (to drive and pull nails)
- Screwdriver (slotted and Phillips)
- Adjustable wrench
- CHANNELLOCK® pliers
- Spirit level
- Carpenter's square and steel tape
- Saw

4. Introduction to Power Tools- 00104-09

Module Test Score _____
_____ ***Module Rating (4, 3, 2,)***

_____ 1. Safely and properly use three of the following tools:
- Electric drill
- Circular saw
- Saw Zall®
- Pneumatic power nailer

5. Introduction to Construction Drawings- 00105-09

Module Test Score _____
_____ ***Module Rating (4, 3, 2)***

_____ 1. Using the floor plan supplied with this module:
- Locate the wall common to both interview rooms.
- Determine the overall width of the structure studio.
- Find the distance from the outside east wall to the center of the beam in the structure studio.
- Find the elevation of the slab.

6. Basic Rigging- 00106-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Select and inspect appropriate slings for a lift.

_____ 2. Given various loads, determine the proper hitch to be used.

_____ 3. Select and inspect appropriate hardware and/or lifting equipment.

_____ 4. Demonstrate and/or simulate the proper techniques for connecting hitches.

_____ 5. Demonstrate the proper use of all hand signals according to ANSI B30.2 and B30.5.

_____ 6. Describe or demonstrate pre-lift safety checks.

_____ 7. Demonstrate and/or simulate how to lift the load level.

_____ 8. Describe and/or demonstrate safety precautions for attaching and disconnecting a load.

7. Basic Communication Skills- 00107-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Fill out daily a work-related form supplied by your instructor. (Handouts 4 and 5 are sample forms and are provided in the AIG for this module as an optional resource.)

_____ 2. Read instructions for how to properly don a safety harness, orally instruct another person to don the apparatus.

_____ 3. Perform given task after listening to oral instructions.

8. Basic Employability Skills- 00108-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Demonstrate the ability to access, retrieve, and print from the following basic software programs:

- Email
- Databases
- Internet

9. Introduction to Materials Handling- 00109-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Demonstrate proper materials-handling techniques.

WELDING LEVEL-I

10. Welding Safety- 29101-09

Module Test Score _____

This is knowledge-based; there is no performance test.

11. Oxyfuel Cutting- 29102-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Set up oxyfuel equipment.

_____ 2. Light and adjust an oxyfuel torch.

_____ 3. Shut down oxyfuel cutting equipment.

_____ 4. Disassemble oxyfuel equipment.

_____ 5. Change empty cylinders.

_____ 6. Cut shapes from various thickness of steel, emphasizing:

- Straight line
- Square shape
- Piercing
- Bevel
- Slot

_____ 7. Perform washing.

_____ 8. Perform gouging.

12. Plasma Arc Cutting- 29103-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Setup plasma arc cutting equipment.

_____ 2. Set the amperage and gas pressures or flow rates for the type and thickness of metal to be cut.

_____ 3. Square-cut metal using plasma arc cutting equipment.

_____ 4. Bevel-cut metal using plasma arc equipment

_____ 5. Pierce and cut slots in metal using plasma arc cutting equipment.

_____ 6. Dismantle and store the equipment.

13. Air Carbon Arc Cutting and Gouging- 29104-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Select and install CAC-A electrodes.

_____ 2. Prepare the work area and CAC-A equipment for safe operation.

_____ 3. Use CAC-A equipment for washing.

_____ 4. Use CAC-A equipment for gouging.

_____ 5. Perform storage and housekeeping activities for CAC-A equipment.

14. Base Metal Preparation- 29105-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Mechanically bevel the edge of a mild steel plate 1/4" to 3/4" thick at 22 1/2 degrees (or 30 degrees, depending on the equipment available).

_____ 2. Thermally prepare a bevel.

15. Weld Quality- 29106-09

Module Test Score _____

This is knowledge-based; there is no performance test.

16. SMAW – Equipment and Setup- 29107-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Set up SMAW machine for welding.

17. Shielded Metal Arc Welding-Electrodes- 29108-09

Module Test Score _____

This is knowledge-based; there is no performance test.

18. SMAW-Beads and Fillet Welds- 29109-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Setup welding equipment.

_____ 2. Strike an arc.

_____ 3. Make stringer, weave, and overlapping beads using E6010 and E7018 electrodes.

_____ 4. Make fillet welds using E6010 and E7018 electrodes in the horizontal (2F) position.

_____ 5. Make fillet welds using E6010 and E7018 electrodes in the vertical (3F) position.

_____ 6. Make fillet welds using E6010 and E7018 electrodes in the overhead (4F) position.

19. Joint Fit-Up and Alignment- 29110-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Fit-up joints using plates and pipe fit-up tools.

_____ 2. Check the joint for proper fit-up and alignment using gauges and measuring devices.

20. SMAW – Groove Welds with Backing- 29111-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Set up arc welding equipment for making groove welds.

_____ 2. Make flat welds with backing on V-grove joints using E7018 electrodes.

_____ 3. Make horizontal welds with backing on V-groove joints using E7018 electrodes.

_____ 4. Make vertical welds with backing on V-groove joints using E7018 electrodes.

_____ 5. Make overhead welds with backing on V-groove joints using E7018 electrodes.

21. SMAW – Open V-Groove Welds- 29112-09

Module Test Score _____

_____ ***Module Rating (4, 3, 2)***

_____ 1. Prepare arc welding equipment for open V-groove welds.

_____ 2. Make open V-groove welds with E6010and E7018 electrodes in the flat (1G) position.

_____ 3. Make open V-groove welds with E6010 and E7018 electrodes in the horizontal (2G) position.

_____ 4. Make open V-groove welds with E6010 and E7018 electrodes in the vertical (3G) position.

_____ 5. Make open V-groove welds with E6010 and E7018 electrodes in the overhead (4G) position.

_____ Number of Skills Completed ÷

63 ___ Number of Skills on SPR =

_____ **% of Skills Completed**

Conference

Date: _____ Hours in class: _____

Comments:

_____

_____

_____

_____

_____

_____

_____

_____

Teacher initial: _____ Student initial: _____