

PLUMBING

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) <input type="checkbox"/> 0-No recommendation at this time. (Cannot be used for Completers.) <input type="checkbox"/> 1-Hire this person and look no further. <input type="checkbox"/> 2-Interview this person along with other applicants <input type="checkbox"/> 3-Not hire this person.	
Complete only if student attempted industry certification.	
Name of Industry Certificate	Code P/F
NCCER, Core	0300
NCCER, Plumbing, Level-I	0351
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 – Plumbing 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			
PLUMBING LEVEL-I			
16. Intro. to the Plumbing Profession -02101-12			
17. Plumbing Safety- 02102-12			
18. Tools of the Plumbing Trade- 02103-12			
19. Introduction to Plumbing Math- 02104-12			
20. Introduction to Plumbing Drawings 02105-12			
21. Plastic Pipe and Fittings- 02106-12			
22. Copper Tube and Fittings- 02107-12			
23. Cast-Iron Pipe and Fittings- 02108-12			
24. Steel Pipe and Fittings- 02109-12			
25. Introduction to Plumbing Fixtures- 02110-12			
26. Int. to Drain Waste and Vent Systems- 02111-12			
27. Intro.to Water Distribution Systems-02112-12			

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

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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 Student

Initial 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.

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- _____ 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 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.

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10. Introduction to the Plumbing Profession- 02101-12

Module Test Score _____

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

11. Plumbing Safety- 02102-12

Module Test Score _____

Minimum 100% Required

Module Rating (4, 3, 2)

- _____ 1. Inspect the following personal protective equipment:
 - Gloves
 - Body Harness
 - Hard Hat
 - Safety Glasses
 - Safety Shoes
 - Hearing Protection
- _____ 2. Put on the following personal protective equipment:
 - Hard Hat
 - Body Harness
 - Eye Protection
 - Gloves
 - Hearing Protection
 - Safety shoes
- _____ 3. Demonstrate proper use of ladders.
- _____ 4. Inspect power tools (corded and cordless) to ensure they are safe to use.
- _____ 5. Inspect hand tools to ensure they are safe to use.
- _____ 6. Demonstrate/simulate the proper methods of lockout/tag-out for energy sources.

12. Tools of the Plumbing Trade - 02103-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Identify plumbing tools.
- _____ 2. Properly use plumbing tools.
- _____ 3. Demonstrate proper maintenance and storage of hand and power tools.

13. Introduction to Plumbing Math- 02104-12

Module test Score _____

Module Rating (4, 3, 2)

- _____ 1. Measure pipe using the following methods:
 - End-to-end
 - End-to-center
 - Center-to-center
 - End-to-face
 - Face-to-face
 - Face-to-throat
- _____ 2. Determine end-to-end dimension by figuring fitting allowances and thread makeup.

14. Introduction to the Plumbing Drawings- 02105-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Sketch an orthographic and isometric drawing.

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15. Plastic Pipe and Fittings- 02106-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Select correct types of materials for plastic piping systems.
- _____ 2. Identify types of fittings and valves and their uses.
- _____ 3. Select the appropriate personal protective equipment for working with plastic piping.
- _____ 4. Properly measure, cut, and join plastic piping.
- _____ 5. Select the correct support and spacing for the application.

16. Copper Tube and Fittings- 02107-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Select correct types of materials for copper tube systems.
- _____ 2. Identify types of fittings and valves and their uses.
- _____ 3. Select the appropriate personal protective equipment for working with copper tube.
- _____ 4. Correctly measure, cut, ream, and join copper tube.
- _____ 5. Select the correct support and spacing for the application.

17. Cast-Iron Pipe and Fittings- 02108-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Select correct types of materials for cast-iron piping systems.
- _____ 2. Identify types of fittings and their uses.
- _____ 3. Select the appropriate personal protective equipment for cast-iron piping.
- _____ 4. Correctly measure, cut, and join cast-iron pipe.
- _____ 5. Select the correct hanger or support and spacing for the application.

18. Steel Pipe and Fittings- 02109-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Identify the common types of materials, schedules, sizes, and labels used for steel piping.
- _____ 2. Identify the common fittings and valves used with steel piping.
- _____ 3. Properly measure, cut, and join steel piping.
- _____ 4. Identify the hazards and safety precautions associated with steel piping.
- _____ 5. Identify the various techniques used in hanging and supporting steel piping.

19. Introduction to Plumbing Fixtures- 02110-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Identify the most commonly installed fixtures and appliances.

20. Introduction to Drain, Waste, Vent (DWV) Systems- 02111-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Sketch an isometric drawing of a simple DWV system and label its components.

21. Introduction to Water Distribution Systems- 02112-12

Module Test Score _____

Module Rating (4, 3, 2)

- _____ 1. Sketch an isometric drawing of a simple water distribution system and label its components.

_____ Number of Skills Completed ÷
58 Number of Skills on <i>Level I Plumbing Trades</i> =
_____ % of Skills Comp

Conference
Date: _____ Hours in class: _____
Comments:

Teacher initial: _____ Student initial: _____