

# HORTICULTURE

## STUDENT GRADE RECORD Career & Technical Education WINDHAM SCHOOL DISTRICT

Student Name \_\_\_\_\_

TDCJ # \_\_\_\_\_

Instructor Name \_\_\_\_\_

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.	
<b>Complete only if student attempted industry certification.</b>	
Name of Industry Certificate	Code      P/F
Texas Department of Agriculture Pesticide Handling (Workers Protection Standards)	0112
Texas Association of Nurseryman Endorsement	0113
Texas Department of Agriculture, Private Pesticide Applicator License	0114

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

\_\_\_\_\_  
Instructor Signature                      Date

Course Outline Modules	Windham Module Test	Module Competency Rating
1. CTE Orientation		
2. CTE Safety		
3. Sales and Salesmanship		
4. Essentials of Effective Display		
5. How Plants Grow – Plant Parts		
6. How Plants Grow – Sexual Reproduction Parts		
7. How Plants Grow – Environmental Factors		
8. How Plants Grow – Plant Growth and Development		
9. Plant Nomenclature and Identification		
10. Nature and Properties of Soils		
11. Understanding Soils		
12. Plant Nutrition Introduction		
13. Fertilizers		
14. Applying Fertilizers		
15. Pesticide Safety		
16. Plant Pest		
17. Pest Controls		
18. Disease Identification and Control		
19. Weed Identification and Control		
20. Pruning		
21. Special Purpose Pruning		
22. Sexual Plant Propagation		
23. Asexual Plant Propagation		
24. Budding and Grafting		
25. Trees and Shrubs		
26. Trees and Shrubs Maintenance		
27. Vines and Groundcovers		
28. Landscape Color – Annuals, Biennials, and Perennials		
29. Landscape Color – Bulbs and Azaleas		
30. Landscape Color – Roses and Perennials		
31. Turfgrass		
32. Interior Plants		
33. Landscape Design – Introduction and Base plan		
34. Landscape Design – Landscape Needs		
35. Landscape Materials		

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Course Outline Modules	Windham Module Test	Module Competency Rating
36. Landscape Construction and Accessories		
37. Landscaping for Energy Conservation		
38. Fruit Production		
39. Production of Other Fruits and Pecans		
40. Home Vegetable Garden		

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

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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.

[1] **Unskilled**- Exposed to concept, but no hands-on experience.

**Note:** When evaluating a student's module rating, skill performance should be given priority.

### 1. 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

### 2. CTE Safety

*Module Test Score* \_\_\_\_\_

*Minimum 100% Required*

\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_ 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 personal protective equipment (PPE should include safety goggles, hard hat, gloves, safety harness and safety shoes).
- \_\_\_\_ 3. Demonstrate safe lifting procedures.

### 3. Sales and Salesmanship

*Module Test Score* \_\_\_\_\_

### 4. Essentials of Effective Display

*Module Test Score* \_\_\_\_\_

\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_ 1. The student demonstrates an understanding of good display practices: techniques, maintenance, and signage.

### 5. How Plants Grow – Plant Parts

*Module Test Score* \_\_\_\_\_

### 6. How Plants Grow – Sexual Reproduction Parts

*Module Test Score* \_\_\_\_\_

### 7. How Plants Grow – Environmental Factors

*Module Test Score* \_\_\_\_\_

\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_ 1. Water by hand.
- \_\_\_\_ 2. Drip system.
- \_\_\_\_ 3. Water using a wick system.

### 8. How Plants Grow – Plant Growth and Development

*Module Test Score* \_\_\_\_\_

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## 9. Plant Nomenclature and Identification

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Identify 50 plants.
- 

## 10. Nature and Properties of Soils

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Collect and prepare soil samples for testing.  
\_\_\_\_\_ 2. Test soil media for nutrients.  
\_\_\_\_\_ 3. Texture soil by hand using the ribbon method.
- 

## 11. Understanding Soils

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Prepare a general purpose planting media.  
\_\_\_\_\_ 2. Prepare media for cacti and succulents.
- 

## 12. Plant Nutrition Introduction

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Conduct a pH test.
- 

## 13. Fertilizers

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Construct and prepare a compost pile.  
\_\_\_\_\_ 2. Prepare a water soluble fertilizer.
- 

## 14. Applying Fertilizers

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Fertilize seed beds.  
\_\_\_\_\_ 2. Fertilize lawn by broadcasting.  
\_\_\_\_\_ 3. Apply foliar fertilizers.
- 

## 15. Pesticide Safety

Module Test Score \_\_\_\_\_

Minimum 100% Required

- \_\_\_\_\_ 1. Complete WPS certification
- 

## 16. Plant Pest

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Identify 12 insects or insect damage.
- 

## 17. Pest Controls

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Identify 5 beneficial insects.  
\_\_\_\_\_ 2. Mix pesticides according to label.  
\_\_\_\_\_ 3. Apply pesticides with a compressed air sprayer.  
\_\_\_\_\_ 4. Apply insecticide with a hose end sprayer.
- 

## 18. Disease Information and Control

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Identify 10 diseases from T.A.N. color plates.
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## 19. Weed Identification and Control

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Identify 10 weeds.  
\_\_\_\_\_ 2. Control weeds with a herbicide.  
\_\_\_\_\_ 3. Control weeds by mechanical methods.
- 

## 20. Pruning

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Prune a limb by the three cut method.
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## 21. Special Purpose Pruning

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Prune a hedge.  
\_\_\_\_\_ 2. Prune a rose bush.
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## 22. Sexual Plant Propagation

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Germinate seed by hand.
- \_\_\_\_\_ 2. Transplant seedlings.
- \_\_\_\_\_ 3. Care for transplanted seedlings.

## 23. Asexual Plant Propagation

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Apply rooting compounds.
- \_\_\_\_\_ 2. Propagate by wounding.
- \_\_\_\_\_ 3. Propagate by tip cutting.
- \_\_\_\_\_ 4. Propagate by medical cutting.
- \_\_\_\_\_ 5. Propagate by leaf cutting.
- \_\_\_\_\_ 6. Propagate by root cutting.
- \_\_\_\_\_ 7. Propagate by cane cutting.
- \_\_\_\_\_ 8. Propagate by layering.
- \_\_\_\_\_ 9. Use mist system to root cuttings.
- \_\_\_\_\_ 10. Propagate by tissue culture.

## 24. Budding and Grafting

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Propagate plants by 2 different grafting methods.
- \_\_\_\_\_ 2. Propagate by 1 budding method.

## 25. Trees and Shrubs

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Plant a tree shrub.
- \_\_\_\_\_ 2. Stake a tree.

## 26. Tree and Shrub Maintenance

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Mulch tree.
- \_\_\_\_\_ 2. Fertilize a tree.

## 27. Vines and Groundcovers

Module Test Score \_\_\_\_\_

## 28. Landscape Color – Annuals, Biennials, and Perennials

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Sow seeds outdoors in beds.
- \_\_\_\_\_ 2. Set out transplants in the landscape.
- \_\_\_\_\_ 3. Divide overgrown plants.
- \_\_\_\_\_ 4. Disbud and deadhead.

## 29. Landscape Color – Bulbs and Azaleas

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Plant bulbs.
- \_\_\_\_\_ 2. Dig and store bulbs

## 30. Landscape Color – Roses and Perennials

Module Test Score \_\_\_\_\_

## 31. Turfgrass

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Prepare a lawn.
- \_\_\_\_\_ 2. Plant grass.
- \_\_\_\_\_ 3. Develop a lawn fertilization schedule.

## 32. Interior Plants

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Repot a container plant.
- \_\_\_\_\_ 2. Pruning interior plants.
- \_\_\_\_\_ 3. Creating interior plant display.
- \_\_\_\_\_ 4. Water interior plants.

## 33. Landscape Design – Introduction and Base Plan

Module Test Score \_\_\_\_\_

\_\_\_\_\_ Module Rating (4, 3, 2, 1)

- \_\_\_\_\_ 1. Plan a base plan.

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## 34. Landscape Design – Landscape Needs

*Module Test Score* \_\_\_\_\_

\_\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_\_ 1. Show space needs and areas on plan.

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## 35. Landscape Materials

*Module Test Score* \_\_\_\_\_

\_\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_\_ 1. Draw landscape plan.  
\_\_\_\_\_ 2. Properly place plants on the drawing.

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## 36. Landscape Construction and Accessories

*Module Test Score* \_\_\_\_\_

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## 37. Landscaping for Energy Conservation

*Module Test Score* \_\_\_\_\_

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## 38. Fruit Production

*Module Test Score* \_\_\_\_\_

\_\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_\_ 1. Design a home fruit orchard.  
\_\_\_\_\_ 2. Develop an orchard spray schedule.

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## 39. Production of Other Fruit Trees and Pecans

*Module Test Score* \_\_\_\_\_

\_\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_\_ 1. Design a small pecan orchard.  
\_\_\_\_\_ 2. Develop a spray schedule for pecans.

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## 40. Home Vegetable Garden

*Module Test Score* \_\_\_\_\_

\_\_\_\_\_ *Module Rating (4, 3, 2, 1)*

- \_\_\_\_\_ 1. Plant a vegetable garden (by transplanting).  
\_\_\_\_\_ 2. Plant vegetables from seed.  
\_\_\_\_\_ 3. Mulch a garden.
- 

\_\_\_\_\_ Number of Skills Completed ÷

75 Number of Skills on SPR =

\_\_\_\_\_ % of Skills Completed

### Conference

Date: \_\_\_\_\_ Hours in class: \_\_\_\_\_

Comments:

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Teacher initial: \_\_\_\_\_ Student initial: \_\_\_\_\_

Student Name: \_\_\_\_\_

TDCJ Number: \_\_\_\_\_

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