

LANDSCAPE DESIGN, CONSTRUCTION, AND MAINTENANCE

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.		
Complete only if student attempted industry certification.		
Name of Industry Certificate	Code	P/F
Texas Department of Agriculture Pesticide Handling (Workers Protection Standards)	0112	
Texas Nursery and Landscape Endorsed Certificate	0113	
Texas Department of Agriculture, Private Pesticide Applicator License	0114	
OSHA	0100	

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
0. CTE Orientation		
1. LDCM Safety		
2. How Plants Grow		
3. Plant Identification		
4. Tool Identification and Maintenance		
5. Pesticides		
6. Installation and Maintenance of Trees and Shrubs		
7. Installation and Maintenance of Bedding Plants and Groundcovers		
8. Turfgrass		
9. Site Analysis and Evaluation		
10. Selecting and Using Plants in the Landscape		
11. Landscape Designing		
12. LDCM Irrigation		
13. Developing Cost Estimates		

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+

TNLA Endorsement Matrix

Mandatory Components

	P	F
LDCM Safety		
Plant Identification (Minimum 35 from TNLA List)		
Plant Layout		

Optional Components (12 of 19 needed for certification)

	# of Skills	P	F
Identify, maintain, and demonstrate safe use of at least 4 of the following power tools: Aeration machine and/or de-thatching machine, Blower, Chainsaw, Mower, String Trimmer, Rototiller, and Sod Cutter. (7)			
Properly mix and apply a pesticide. (1)			
Transplant a tree or shrub. (1)			
Stake and guy a tree. (1)			
Describe the procedures for installing a lawn: Soil Preparation, Seed Installation, and Sod Installation. (3)			
Correctly set-up and adjust a builder's level/tripod level. (1)			
Implement the use of natural and manufactured enrichments on a landscape plan. Including the installation or demonstration of one of the following: Pavers, Decorative Materials, Fabric Installation, and Edging Installation. (4)			
Program a solid state and electro-mechanical controller in a multiple program. (1)			
Repair and adjust the arc on a variety of heads. (1)			
Total Skills			

LANDSCAPE DESIGN, CONSTRUCTION, AND MAINTENANCE

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.

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: <ul style="list-style-type: none"> • Working Conditions • Attendance Expectations • Instructor's Expectations |

1. **LDCM Safety

Module Test Score _____

Minimum 100% Required

_____ *Module Rating (4, 3, 2, 1)*

- | | |
|-------|--|
| _____ | 1. Apply general safety principles to the school and workplace. |
| _____ | 2. Determine correct fire extinguisher to use for various situations. |
| _____ | 3. Determine the ability to properly operate a fire extinguisher. |
| _____ | 4. Demonstrate the ability to safely lift an object. |
| _____ | 5. Interpret Material Safety Data Sheets (MSDS). |
| _____ | 6. Recall basic First-Aid measures for given situations per TNLA Training Manuals. |

¹ To receive TNLA student endorsement, a minimum of 35 plants must be identified.

**Denotes Mandatory TNLA Certification Component

*Denotes Optional TNLA Certification Component (12 out of 19 needed for certification).

2. How Plants Grow

Module Test Score _____

_____ *Module Rating (4, 3, 2, 1)*

- | | |
|-------|--|
| _____ | 1. Label plants and structures correctly and identify the differing growth patterns of monocot and dicot plants. |
| _____ | 2. Demonstrate knowledge of soil properties and how soil quality relates to plant growth; assess the soil at a planting site and determine how to improve it, if needed. |
| _____ | 3. Describe environmental factors that should be considered before selecting a plant for the landscape. |
| _____ | 4. Complete potting of plants. |
| _____ | 5. Transplant seedlings. |
| _____ | 6. Grow plants from starting seeds. |
| _____ | 7. Propagation by cuttings. |

3. ¹**Plant Identification

Module Test Score _____

_____ *Module Rating (4, 3, 2, 1)*

- | | |
|-------|---|
| _____ | 1. Identify the basic structural features of trees and shrubs. |
| _____ | 2. Identify the distinguishing characteristics for common narrow-leaf evergreens. |
| _____ | 3. Using the TNLA List, identify selected trees. |
| _____ | 4. Using the TNLA List, identify selected shrubs. |
| _____ | 5. Using the TNLA List, identify ground covers, vines, and perennials. |
| _____ | 6. Using the TNLA List, identify characteristics of grasses. |
| _____ | 7. Using the TNLA List, identify the four major turfgrasses used in Texas. |

Student Name: _____

CTE-231

TDCJ Number: _____

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4. Tool Identification and Maintenance

Module Test Score _____

Module Rating (4, 3, 2, 1)

- _____ 1. Identify and maintain hand tools and equipment.
- _____ 2. Identify, maintain, and demonstrate safe use of 4 of the following power tools:
 - *A. Aeration machine and/or de-thatching machine
 - *B. Blower
 - *C. Chainsaw
 - *D. Mower
 - *E. String Trimmer
 - *F. Rototiller
 - *G. Sod Cutter

5. Pesticides

Module Test Score _____

Module Rating (4, 3, 2, 1)

- _____ 1. Describe how various types of pesticides work.
- _____ 2. Accurately interpret a pesticide label for information about use, effectiveness, and safe handling.
- _____ 3. Identify safety precautions that should be followed when using pesticides.
- _____ *4. Properly mix and apply a pesticide.
- _____ 5. Explain proper storage.
- _____ 6. Explain proper disposal of pesticide.
- _____ 7. Explain proper treatment of accidents and spills.
- _____ 8. Complete WPS certification

6. Installation and Maintenance of Trees and Shrubs

Module Test Score _____

Module Rating (4, 3, 2, 1)

- _____ *1. Transplant a tree or shrub.
- _____ *2. Stake and guy a tree.
- _____ 3. Prune trees, shrubs, hedges, and roses.
- _____ 4. Fertilize trees and shrubs.
- _____ 5. Determine the best methods of irrigation in various situations.
- _____ 6. Recognize common insects and diseases, the types of damage or symptoms they cause, and recommended control methods.

**Denotes Mandatory TNLA Certification Component

*Denotes Optional TNLA Certification Component (12 out of 19 needed for certification).

Student Name: _____

TDCJ Number: _____

7. Installation and Maintenance of Bedding Plants and Ground Covers

Module Test Score _____

Module Rating (4, 3, 2, 1)

- _____ 1. Prepare the soil of a flower bed, determine the number of plants to use, and transplant bedding plants and ground covers.
- _____ 2. Maintain bedding plants and ground covers.

8. Turfgrass

Module Test Score _____

Module Rating (4, 3, 2, 1)

- _____ 1. List advantages and disadvantages of the four major turfgrasses on the TNLA Plant List.
- _____ 2. Describe and demonstrate the procedures for installing a lawn.
 - *Soil Preparation
 - *Seed Installation
 - *Sod Installation
- _____ 3. Maintain turf by properly fertilizing, watering, and mowing.
- _____ 4. Demonstrate how to successfully cultivate or renovate a lawn.
- _____ 5. Identify common pest in turf grass and explain how to control these pests.

9. Site Analysis and Evaluation

Module Test Score _____

Module Rating (4, 3, 2, 1)

- _____ *1. Correctly set-up and adjust a builder's level/tripod level.
- _____ 2. Determine the difference of height between two stakes.
- _____ 3. Correctly dismantle and store a builder's level.
- _____ 4. Interpret elevations measured in decimal feet given a reference elevation and an engineer scale.
- _____ 5. Interpret topographical plans.
- _____ 6. Locate a benchmark at the correct elevation.
- _____ **7. Given a plant layout plan, properly place plants

