Arkansas CTE

Nursery/Landscaping: Grades 10, 11, 12

Adopted 2007

Introduction to Nursery and Landscaping Industry

1.1 Define terminology

1. Prepare a list of terms with definitions 1.1.1

1.2 Identify the economic scope of the nursery/landscaping industry in the United States

1. Search the Internet for current data on the economic scope of the nursery/landscaping industry and prepare a report 1.2.1

1.3 Discuss careers available in the nursery and landscaping industry

1. Research a career in the nursery and landscaping industry to determine educational requirements, working conditions and salary 1.3.1

1.4 Discuss the purpose of landscaping

1. Evaluate landscapes in the area 1.4.1

1.5 Explain the basic principles of xeriscaping

1. Identify materials used in the xeriscaping process 1.5.1

1.6 List the FFA opportunities available to students interested in nursery and landscape management

1. Participate in FFA activities related to nursery/landscaping 1.6.1

Safety in Nursery/Landscape

2.1 Define terminology

1. Prepare a list of terms with definitions 2.1.1

2.2 Discuss the meaning and importance of safety and safe work in nursery/landscaping

1. Relate examples of safety hazards in nursery/landscaping, including equipment used in crop production and the inputs applied to plants such as pesticides and fertilizers 2.2.1
2. Name examples of accidents that have occurred locally in nursery/landscaping 2.2.2

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2.3 Identify hazards in nursery/landscaping

1. Survey hazardous situations in local nursery/landscaping facilities; prescribe the appropriate safety measures to be taken and propose ways of eliminating/reducing the risk of these hazards 2.3.1
2. Develop a list of practices to reduce risk when working with plants 2.3.2

2.4 Describe the importance of personal safety in nursery/landscaping

1. Identify and properly use appropriate PPE in nursery/landscaping 2.4.1
2. Calculate the cost of PPE for an individual involved in nursery/landscaping 2.4.2
3. Work together with others to promote safety in nursery/landscaping 2.4.3
4. Take a test on nursery/landscaping safety before beginning work with plants 2.4.4

Landscape Process

3.1 Define terminology

1. Prepare a list of terms with definitions 3.1.1

3.2 List features by which a site can be evaluated

1. Complete a site analysis 3.2.1

3.3 Describe the content and use of a family (client) inventory survey

1. Use a family (client) inventory survey in preparing a landscape design 3.3.1

3.4 Identify indoor and outdoor use areas

1. Apply knowledge of the indoor areas to a landscape design 3.4.1
2. Organize the landscape design by use areas (public area, service area, outdoor living area) 3.4.2

Landscape Design

4.1 Define terminology

1. Prepare a list of terms with definitions 4.1.1

4.2 Perform measurements and duplicate angles

1. Read an architect's scale and an engineer's scale 4.2.1
2. Use a scale in preparing a landscape design 4.2.2

4.3 Identify the drafting tools of the landscape designer (drawing board, T-square, drawing paper, trash paper, drafting tape, drawing pencils, erasure shield, triangles, architect's scale, engineer's scale, circle template, French curves, lettering instrument)

1. Draw a landscape design using traditional tools 4.3.1

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Distinguish between the plan, elevation, and perspective views of landscape proposals

1. Use plan, elevation, and perspective views to illustrate a landscape design 4.4.1

4.5 Describe the basic principles that lead to good design (balance, focalization of interest, proportion, rhythm, simplicity, unity)

1. Apply principles of design to a landscape plan 4.5.1

4.6 Identify elements of design; line, form, texture, color

1. Classify landscape plants based on their line, form, texture, and color 4.6.1

Plant Selection

5.1 Define terminology

1. Prepare a list of terms with definitions 5.1.1

5.2 Explain plant nomenclature

1. Use Latin and common names for landscape plants 5.2.1

5.3 Describe the factors relevant to proper plant selection; function, environmental, messiness, ornamental characteristics, pest resistance, safety, soil

1. Select plants for the landscape based on function, environmental, messiness, ornamental characteristics, pest resistance, safety, soil 5.3.1

5.4 Explain the seasonal changes in a landscape

1. Select seasonal plants for a landscape 5.4.1

5.5 Describe the uses and limitations of flowers in a landscape design

1. Design a flower border 5.5.1

5.6 Discuss the factors used in the comparison of different turfgrasses

1. Select turfgrass best suited for a landscape use 5.6.1

Landscape Contracting

6.1 Define terminology

1. Prepare a list of terms with definitions 6.1.1

6.2 Determine calculations needed for landscape take-offs

1. Calculate landscape take-offs 6.2.1

6.3 Describe estimates and bids associated with landscape projects

1. Create an estimate for a landscape project 6.3.1
2. Develop a bid for a landscape project 6.3.2

Landscape Installation

7.1 Define terminology

1. Prepare a list of terms with definitions 7.1.1

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Identify tools used in the installation of landscape plants

1. Use the appropriate tools for different landscape jobs 7.2.1

7.3 Describe accepted methods of lawn installation/renovation

1. Prepare a site for installation 7.3.1
2. Sod a site 7.3.2
3. Sprig a site 7.3.3
4. Seed a site 7.3.4

7.4 Demonstrate proper plant installation methods

1. Install trees and shrubs 7.4.1
2. Install ground covers and flowers 7.4.2

7.5 Distinguish between sprinkler and trickle irrigation

1. Design an irrigation system 7.5.1
2. Set up an irrigation system 7.5.2

Landscape Maintenance

8.1 Define terminology

1. Prepare a list of terms with definitions 8.1.1

8.2 Discuss the importance of proper maintenance of landscape

1. Participate in a class discussion on the importance of landscape maintenance 8.2.1

8.3 Describe the types of pruning

1. Demonstrate proper pruning techniques 8.3.1

8.4 Compare the methods of weed control in the landscape

1. Remove weeds from a landscape 8.4.1
2. Install a weed cloth 8.4.2

8.5 Identify tools used in landscape maintenance

1. Use the appropriate tools for different landscape maintenance jobs 8.5.1

8.6 Discuss the maintenance of landscape tools

1. Perform basic maintenance on tools 8.6.1
2. Sharpen blades 8.6.2
3. Maintain tools 8.6.3

8.7 Discuss the proper techniques needed to water, fertilize, edge, and mulch

1. Maintain landscape plants through proper watering, fertilizing, edging, and mowing practices 8.7.1