

# 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](#)
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### 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](#)
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### 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](#)
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### 1.4 Discuss the purpose of landscaping

1. Evaluate landscapes in the area [1.4.1](#)
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### 1.5 Explain the basic principles of xeriscaping

1. Identify materials used in the xeriscaping process [1.5.1](#)
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### 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](#)
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## Safety in Nursery/Landscape

### 2.1 Define terminology

1. Prepare a list of terms with definitions [2.1.1](#)
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### 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](#)

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### **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](#)

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## **Landscape Process**

### **3.1 Define terminology**

1. Prepare a list of terms with definitions [3.1.1](#)

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### **3.2 List features by which a site can be evaluated**

1. Complete a site analysis [3.2.1](#)

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### **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](#)

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### **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](#)

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## **Landscape Design**

### **4.1 Define terminology**

1. Prepare a list of terms with definitions [4.1.1](#)

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### **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](#)

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### **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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#### **4.4 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](#)

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#### **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](#)

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#### **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](#)
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### **Plant Selection**

#### **5.1 Define terminology**

1. Prepare a list of terms with definitions [5.1.1](#)

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#### **5.2 Explain plant nomenclature**

1. Use Latin and common names for landscape plants [5.2.1](#)

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#### **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](#)

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#### **5.4 Explain the seasonal changes in a landscape**

1. Select seasonal plants for a landscape [5.4.1](#)

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

1. Design a flower border [5.5.1](#)

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#### **5.6 Discuss the factors used in the comparison of different turfgrasses**

1. Select turfgrass best suited for a landscape use [5.6.1](#)
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### **Landscape Contracting**

#### **6.1 Define terminology**

1. Prepare a list of terms with definitions [6.1.1](#)

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#### **6.2 Determine calculations needed for landscape take-offs**

1. Calculate landscape take-offs [6.2.1](#)

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#### **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](#)
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## Landscape Installation

### 7.1 Define terminology

1. Prepare a list of terms with definitions 7.1.1
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### 7.2 Identify tools used in the installation of landscape plants

1. Use the appropriate tools for different landscape jobs 7.2.1
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### 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
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### 7.4 Demonstrate proper plant installation methods

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

### 8.1 Define terminology

1. Prepare a list of terms with definitions 8.1.1
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### 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
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### 8.3 Describe the types of pruning

1. Demonstrate proper pruning techniques 8.3.1
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### 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
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### 8.5 Identify tools used in landscape maintenance

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

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## **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](#)