



Goodheart-Willcox Publisher Correlation of <i>Landscape Design, Installation, and Management</i> ©2020 to Alabama Course of Study: CTE Agriculture, Food, and Natural Resources Course: Landscape Design and Management, Grades 9-12	
STANDARD	CORRELATING PAGES
Plant Identification	
1. Identify common landscape plants and turfgrasses by common names.	226-230, 243 (Thinking Critically #1-5) 288-300
2. Describe physical and cultural characteristics of landscape plants and turfgrass.	288-303, 307 (Suggested Activities #1-5, 7)
Design	
3. Demonstrate principles of design and elements of art in landscape design.	148-162, 167 (Thinking Critically #3-5), 170-191, 195 (Thinking Critically #1-3), 455 Suggested Activities (#6-9)
a. Incorporate simplicity, balance, focal point, rhythm and line, scale and proportion, and unity in landscape design.	149-167
b. Incorporate public areas, private areas, service areas, family living areas, and handicap accessibility in designs.	170-191; 195 (Thinking Critically #1-3), Suggested Activities (#1-4)
4. Create a landscape design, considering maintenance requirements, preservation of existing trees (when possible), inclusion of native plants, and other factors that impact the cost and success of the design.	536-557, 562-563
a. Measure and record lengths and distances in landscape design to scale.	455
b. Use symbols to represent major landscape features.	439-444, 454-455
5. Calculate the landscape materials, area, number of plants, and cost of plants and features in a landscape design.	428-455
Tools and Equipment	
6. Identify tools and equipment used in the landscape industry.	87-105, 113
7. Demonstrate basic maintenance procedures required for tools and equipment used in the landscape industry.	87-105, 110-113, Activities #4 and 5
Landscape Establishment	
8. Demonstrate proper methods for planting landscape plants.	15-16, 534-563



Maintenance	
9. Select appropriate types of fertilizers and methods of application for various situations in the landscape industry.	568-573
10. Describe techniques used for maintaining the landscape.	570-573
11. Diagnose pest problems and treat using Integrated Pest Management (IPM) strategies	598-604
12. Compare and contrast different irrigation systems and summarize their advantages and disadvantages. a. Design an irrigation system for a residential landscape and develop a bid presentation that identifies the project timeline, required permits, and costs of installation and materials.	362-397
13. Demonstrate basic maintenance and repair of irrigation systems used in the landscape and turf industry.	362-397
14. Maintain, operate, and repair facilities and equipment used in landscape management.	16-18, 362-397
Business Management	
15. Compare and contrast different business models and create a chart to illustrate the uses, advantages, and disadvantages of each.	484-509
16. Using industry-specific terminology, explain the process for preparing a price estimate for landscape designs and packages.	484-509
a. Create a price estimate and develop a presentation to secure a bid on a landscape project.	493-500
Environmental Issues	
17. Obtain, evaluate, and share information on environmental issues related to landscape design and management.	138-139, 617, 630-631
Technology	
18. Identify technological advancements that enhance the landscape industry.	428-450, 431Computer-Aided Design(CAD)