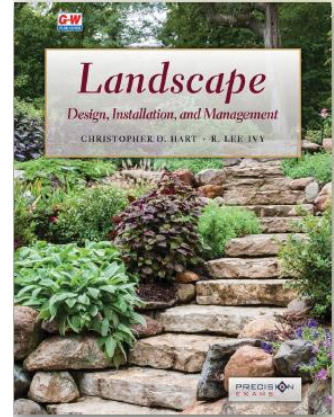


**Correlation of
Landscape Design, Installation, and Management, 1st edition
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to
Landscaping Standards**

Goodheart-Willcox is pleased to partner with the Home Builder’s Institute by correlating *Landscape Design, Installation, and Management* to the Landscaping Standards.

The correlation chart below lists the Standards and Objectives for the Landscaping exam in the left column. Corresponding content from *Landscape Design, Installation, and Management* that can be used by a student to help achieve the standard and objective is listed in the right column.



Standards / Objectives	Textbook Pages
Standard 1: Basic Skills	
Safety	
Objective 1 Inspects, maintains and uses appropriate Personal Protective Equipment (PPE)	pgs. 60-63
Objective 2 Follows safety standards, rules, policies and procedures	pgs. 59, 64-78
Objective 3 Demonstrates safety precautions during all tasks and tool	pgs. 64-78, 86
Objective 4 Practices safety procedures with and around others	pgs. 64-78
Objective 5 Identifies safe work site procedures, including fall protection, confined and open work areas, and heavy equipment	pgs. 70-74
Objective 6 Takes corrective action when faced with a safety hazard	pgs. 58-60
Objective 7 Handles, stores and disposes of hazardous materials according to OSHA and MSDS standards	pgs. 72-75
Objective 8 Practices safety precautions when working with and around electricity	pgs. 63-64
Objective 9 Demonstrates proper lifting techniques	pg. 97
Objective 10 Identifies how local code rules relate to the trade	pgs. 56-58
Objective 11 Safely erects and uses ladders	pg. 59

Standards / Objectives	Textbook Pages
Tools/Equipment	
Objective 1 Employs safe and proper use of hand tools	pgs. 88-96, 98-100
Objective 2 Employs safe and proper use of portable and/or stationary (if applicable) power tools	pgs. 102-105
Objective 3 Maintains and stores tools	pgs. 87, 95, 105-106
Objective 4 Employs safe and proper use of equipment	pgs. 88-106
Objective 5 Drive a pickup truck with trailer (if applicable)	pgs. 107-108
Trade Math	
Objective 1 Demonstrate and apply basic math principles to solve landscaping applications using whole numbers, decimals and fractions	pgs. 315-317, 327, 352-353
Objective 2 Demonstrate the ability to estimate material requirements for assigned task	pgs. 377, 412-413
Objective 3 Measures using tape or ruler accurately	pgs. 88-89
Objective 4 Identify basic rules of measuring liquid volume	pgs. 351-352
Objective 5 Convert oral information into math equations and vice versa	pg. 130
Objective 6 Perform estimating for simple projects	pgs. 486-488
Objective 7 Square corners using 3-4-5 method	—
Anchors and Fasteners	
Objective 1 Describes, selects and installs anchors, fasteners and adhesives	pgs. 257, 548-550
Landscaping Basics	
Objective 1 Differentiate among various types of turf grasses	pgs. 289-300
Objective 2 Identify various types of plant material	pgs. 136-140
Objective 3 Identify common pests and insects in your area	pgs. 604-610
Grounds Maintenance	
Objective 1 Demonstrate the ability to properly mow and maintain turf grasses in various conditions	pg. 322
Objective 2 Demonstrate the ability to properly trim ornamental plant material	pgs. 577-578, 582-584
Objective 3 Demonstrate the ability to properly edge driveways, sidewalks and planting beds	pgs. 102, 566,
Objective 4 Demonstrate the ability to properly prune trees, shrubs and ornamental plant material	pgs. 577-578, 582-584

Standards / Objectives	Textbook Pages
Objective 5 Demonstrate the ability to properly clean site area from debris	pg. 554
Objective 6 Demonstrate the ability to install and maintain seasonal color	pgs. 263, 584-585
Objective 7 Explain the benefits of fertilizing	pgs. 568-569
Landscape Installation	
Objective 1 Demonstrate the ability to properly install plant material	pgs. 539-543
Objective 2 Demonstrate several techniques to prevent and/or remove weeds	pgs. 95, 605, 611,
Objective 3 Demonstrate the ability to properly amend soil prior to landscape installation	pgs. 541-542
Objective 4 Apply proper fertilization for landscaping installation	pgs. 568-573
Objective 5 Demonstrate the ability to properly mulch and water landscape beds	pgs. 576, 585-586
Plant Care Management	
Objective 1 Explain general plant health care management	pgs. 566, 568, 573-575
Objective 2 Describe and apply a plant health care program	pg. 568
Objective 3 Demonstrate proper spray techniques	pgs. 615, 620, 621-623
Standard 2: Hardscaping Wood	
Blueprint Identification	
Objective 1 Identify basic blueprint symbols and terminology.	pgs. 430, 441-444
Carpentry Basics	
Objective 1 Select grade of lumber for assigned task	pgs. 408-409
Objective 2 Identify basic components of hardscaping wood projects	pgs. 407-410
Installation	
Objective 1 Demonstrate the appropriate uses of cement for assigned task	pgs. 408-410
Objective 2 Properly constructs hardscaping wood projects	pgs. 416-420
Standard 3: Hardscaping Masonry	
Masonry Basics	

Standards / Objectives	Textbook Pages
Objective 1 Describe the use of brick in hardscaping masonry applications	pg. 408
Objective 2 Describe the use of block in hardscaping masonry applications	pg. 186
Objective 3 Describe the use of stone in hardscaping masonry applications	pg. 408
Objective 4 Describe the use of cement in hardscaping masonry applications	pgs. 408-410
Objective 5 Describe the different types of masonry bonds	pg. 186
Installation	
Objective 1 Lay out project to determine required materials	pgs. 416-420
Objective 2 Describe the uses and installation of vertical and horizontal reinforcement	pgs. 419
Objective 3 Cut material appropriately for task	pgs. 415
Objective 4 Mix mortars	pgs. 187
Objective 5 Spread mortar	pgs. 186-187
Objective 6 Apply mortar to head joints (buttering)	—
Objective 7 Grout	pgs. 187
Objective 8 Finalize project installation	pgs. 420-421
Standard 4: Low Voltage Lighting	
Wiring Basics	
Objective 1 Identify various electrical terminology	pgs. 336-338
Objective 2 Wire low-voltage circuits	pgs. 336-337, 386
Objective 3 Repair or replace exterior low voltage lighting fixtures	pgs. 336-337
Wiring Basics	
Objective 1 Layout/design low voltage lighting project	pg. 336
Objective 2 Install low voltage lighting projects	pg. 386
Objective 3 Finalize project installation	—
Standard 5: Landscaping Plumbing	
Plumbing and Wiring Basics	
Objective 1 Identify PVC pipes and fittings	pgs. 369-372
Objective 2 Demonstrate proper cutting techniques	pg. 384
Objective 3 Demonstrate proper technique for assembling PVC pipe and fittings	pgs. 372-373

Standards / Objectives	Textbook Pages
Objective 4 Demonstrate the ability to properly connect to water source	pgs. 382-386
Objective 5 Identify various electrical terminology	pgs. 336-338
Objective 6 Wire low voltage circuits	pg. 336-337, 386
Irrigation Systems	
Objective 1 Identify various irrigation system components	pgs. 368-372
Objective 2 Maintain an irrigation system	pgs. 387-389
Objective 3 Layout an irrigation system	pg. 383
Objective 4 Install irrigation system	pgs. 382-387
Objective 5 Finalize project installation	pg. 387