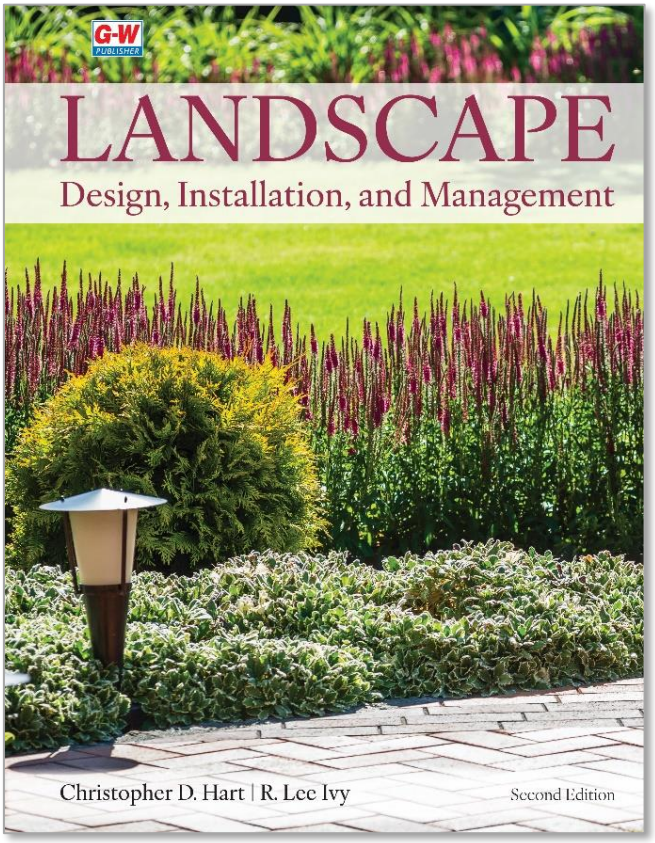
*Correlation of*
***Landscape Design, Installation, and Management***

by

Christopher Hart, R. Lee Ivy
(Goodheart-Willcox Publisher ©2025)

to

*Florida Department of Education Curriculum*
*Landscape & Turf Management Program*
Career Ready Practices
Landscaping and Groundskeeping
Landscape and Grounds keeping Supervisors
Bedding Plant Identification
Landscape Plant Identification
Tree and Grass Identification
Cultural Practices




| Florida Department of Education Curriculum | |
|---|---|
| **Landscape & Turf Management Program: Career Ready Practices** | |
| *Some of the activities at the end of each chapter that correlate to the standards have been included in this correlation chart. The SA indicates Suggested Activities and CT indicates Critical Thinking questions and activities.* | |
| **Standard** | **Location in Text** |
| **CRP 01**. Act as a responsible and contributing citizen and employee. | Community Presence p453 |
| **CRP 02.** Apply appropriate academic and technical skills. | Critical Thinking activities at the end of each chapter<br>Suggested Activities at the end of each chapter |
| **CRP 03.** Attend to personal health and financial well-being. | Health and Hygiene p36<br>Occupational Safety p51<br>Accounting p445<br>Budgets and Costs p446 |
| **CRP 04.** Communicate clearly, effectively and with reason. | Communicating in the Workplace pp39-41 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

| Florida Department of Education Curriculum | |
|---|---|
| **Landscape & Turf Management Program: Career Ready Practices** | |
| *Some of the activities at the end of each chapter that correlate to the standards have been included in this correlation chart. The SA indicates Suggested Activities and CT indicates Critical Thinking questions and activities.* | |
| **Standard** | **Location in Text** |
| **CRP 05.** Consider the environmental, social, and economic impacts of decisions. | Impacts of the Landscaping Industry pp4-18<br>The Green Industry p5 |
| **CRP 06.** Demonstrate creativity and innovation. | Landscape Design pp11-14<br>Creating the Design p405<br>SA #2-3, p183<br>SA #3, p403<br>SA #7, p429 |
| **CRP 07.** Employ valid and reliable research strategies. | Research and Education pp8-10<br>SA #1, #5, p25<br>SA #2, p137<br>SA #2, p183<br>SA #5, p209 |
| **CRP 08.** Utilize critical thinking to make sense of problems and persevere in solving them. | *Critical Thinking Activities at the end of each chapter* |
| **CRP 09.** Model integrity, ethical leadership, and effective management. | Succeeding in the Workplace pp36-39<br>Interpersonal Skills pp41-44<br>Student Organizations: Developing Leadership Skills p43<br>Student Organizations: Developing Business Skills p437 |
| **CRP 10.** Plan education and career path aligned to personal goals. | Research and Education pp8-10<br>Setting Goals pp28-30<br>Vision and Mission Statements p30<br>Setting Goals pp440-441<br>SA #1-5, p25 |
| **CRP 11.** Use technology to enhance productivity. | Performing a Soil Analysis p121<br>Productivity of Equipment p470<br>Logistics p559 |
| **CRP 12.** Work productively in teams while using cultural/global competence. | Leadership pp42-44<br>Belonging to Organizations p44<br>Workplace Readiness Skills: Enhancing Your Observation Abilities p325<br>Business Structures pp432-436<br>Setting Goals pp440-441 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

| Florida Department of Education Curriculum | |
|---|---|
| **Landscape & Turf Management Program: Career Ready Practices** | |
| *Some of the activities at the end of each chapter that correlate to the standards have been included in this correlation chart. The SA indicates Suggested Activities and CT indicates Critical Thinking questions and activities.* | |
| **Standard** | **Location in Text** |
| | Workplace Readiness Skills: Enhancing Your Observation Abilities p325<br>SA #1, p25<br>SA #1, p155<br>SA #3, #7, p209 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point A: Nursery Workers** | |
| **Standard** | **Location in Text** |
| **01.0** Describe the horticulture industry. | CH 1 The Landscaping Industry pp3-25<br>Impacts of the Landscaping Industry pp4-5 |
| **02.0** Identify safety procedures in the workplace. | Maintaining a Safe Workplace pp53-55<br>Employee Responsibilities pp54-55<br>Preventing Accidents p55<br>Personal Protective Equipment pp55-58<br>CT #1-3, p76<br>SA #1-9, p76 |
| **03.0** Identify and classify plants. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217<br>Nursery/Landscape Plant Identification (illustrated glossary) pp255-269 |
| **04.0** Demonstrate plant propagation techniques. | Plant Propagation pp191-194<br>Nursery Plant Production pp197-203<br>Sexual Propagation pp191-192<br>Asexual Propagation pp192-194<br>Reproduction pp226-227<br>CT #1, p209<br>CT #3, p209 |
| **05.0** Identify growing media and apply fertilizers. | Substrates pp187-190<br>Amendments p189<br>SA #8-9, p137<br>Management Plans pp537-545<br>Rates of Application pp542-543<br>Fertilizer Application Methods pp543-544 |
| **06.0** Apply irrigation skills for plants and turfgrasses. | CH 14 Irrigation Design, Installation, and Management pp345-375<br>Irrigation Design p357<br>SA #1, #3, #5, p374 |
| **07.0** Demonstrate integrated pest management approaches. | Chapter 22 Pest Management pp565-603<br>Pests, Disorders, and Beneficial Insects Identification (illustrated glossary) pp596-603<br>Types of Pests pp573-577<br>Identifying the Plant and Pest p567<br>Monitoring the Pest p567<br>Threshold Levels pp567-568 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point A: Nursery Workers** | |
| **Standard** | **Location in Text** |
| | Using IPM pp566-568<br>IPM Control Methods pp568-p573<br>SA #2-3, p595 |
| **08.0** Describe the principles and requirements for plant growth. | Plant Processes pp224-227<br>Substrates pp187-190<br>Soil Types p203<br>Transplants and Soil Types pp203-304<br>Water Movement p204<br>SA #2, p209 |
| **09.0** Apply best management practices in horticulture industry. | Management Plans pp537-543 |
| **10.0** Identify principles of landscape design. | Principles pp140-145 |
| **11.0** Apply safety procedures in the workplace. | Maintaining a Safe Workplace pp53-55<br>Employee Responsibilities pp54-55<br>Preventing Accidents p55<br>Personal Protective Equipment pp55-58<br>CT #1-3, p76<br>SA #1-9, p76 |
| **12.0** Classify plants based on scientific principles. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217 |
| **13.0** Demonstrate proper use of growing media and fertilizers. | Substrates pp187-190<br>Management Plans pp537-545<br>SA #7, p231 |
| **14.0** Demonstrate Integrated Pest Management approaches. | Using IPM pp566-568<br>IMP Control Methods pp568-p573<br>SA #2-3, #8, p595 |
| **15.0** Identify the principles and requirements of plant growth. | Plant Processes pp224-227 |
| **16.0** Apply best management practices in landscape design. | Landscape Management p535 |
| **17.0** Apply principles of landscape design and maintenance. | Principles pp140-145 |
| **18.0** Harvest, transport, and install plant materials. | Transporting Nursery Stock pp202-203 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 6**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point A: Nursery Workers** | |
| **Standard** | **Location in Text** |
| **19.0** Identify procedures to operate, repair, and maintain tools and equipment. | Chapter 4 Tools and Equipment pp79-115<br>Maintenance p81<br>Checklists p81<br>Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **20.0** Identify emerging technologies in the horticulture industry. | Landscape Design pp11-14<br>Measuring Devices p82<br>Pesticide Formulations p581 |
| **21.0** Demonstrate leadership, employability, communications, and human relations skills. | Workplace Readiness Skills: Timeliness p29<br>Succeeding in the Workplace pp36-39<br>Work Habits p37<br>Time Management p37<br>Attitude on the Job p38<br>Professional Behavior p38<br>Decision Making and Problem Solving p38<br>Ethical Workplace Behavior p39<br>Communicating in the Workplace pp39-41<br>Using Social Media Responsibly p40<br>Interpersonal Skills pp41-42<br>Leadership pp42-44<br>Conflict Management pp44-45 |
| **22.0** Identify business principles. | Business Structures pp432-436<br>Setting Goals pp440-441 |
| **23.0** Manage inventory. | Recordkeeping p81<br>Budgets and Costs p449 |
| **23.01** Take an inventory. | Recordkeeping p81<br>Budgets and Costs p449 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 7**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **01.0** Describe the horticulture industry. | Impacts of the Landscaping Industry pp4-5 |
| **01.01** Describe the importance of horticulture to the American and global economies. | Industry Sectors pp5-17 |
| **01.02** Identify career opportunities in horticulture and educational requirements and continuing education opportunities for horticulture careers. | Plant Production pp5-8<br>Micropropagation p6<br>Sod Farms p8<br>Research and Education pp8-10<br>Landscaping Suppliers p10<br>Service Providers pp10-11<br>Landscape Design pp11-14<br>Landscaping Installation pp14-15<br>Landscape Maintenance pp15-17<br>Retailers p17<br>Career Connections:<br>Roger Phelps, Corporate Communications Manager, STIHL Inc. p4<br>Jenn Myers, National Association of Landscape Professionals p46<br>Leslie Herndon, President of Greenscape, Inc. p70<br>Brock Holtzclaw, Arborist p100<br>Preston Montague, Naturalist p132<br>Tracy Sides, Landvision Designs Inc. p151<br>Edward Furner, Premier Service Director for Mariani Landscape p178<br>Dana Massey, President, Plantworks Nursery, Inc. p198<br>John Hoffman, Nurseryman p18<br>Brie Arthur, Garden Communicator p246<br>Dr. Robert Lyons, Educator, Director, Volunteer p287<br>Judson Mills, Super-Sod General Manager p11<br>Patrick Freeman, SiteOne Landscape Supply p340<br>Mason Dyer, Territory Manager, Belgard Pavers and Landscapes p400<br>Brock Lavrack, Brightview Landscape Services p425<br>Hunter Casey, Casey Nursery Inc. p442<br>Brigitte Orrick, The Davey Tree Expert Company p454<br>Joshua Richardson, CPP, Landscape Designer, Ruppert Landscape, Raleigh/Durham, NC p481<br>Al Newsome, Entrepreneur and Art Lover p504 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| | Brice Conner, Ocean Forest Golf Club p526<br>Dr. Joshua Pool, Chief Operations Officer, Timberline Landscaping p560<br>Colby Griffin, Extension Agent p591 |
| **01.03** Describe the importance of horticulture to the environment, including sustainability practices. | Sustainability pp284-285<br>Turfgrass Alternatives pp285-287 |
| **01.04** Identify professional organizations and certifications for the horticultural industry. | Professional Organizations pp18-p21<br>AmericanHort p19<br>American Horticultural Therapy Association p19<br>American Society of Landscape Architects p19<br>American Society of Horticultural Science p19<br>International Society of Arboriculture p19<br>International Plant Propagators' Society p20<br>Irrigation Association p20<br>National Association of Landscape Professionals p20<br>Perennial Plant Association p20<br>Professional Grounds Management Society p20<br>Interlocking Concrete Pavement Institute p20<br>Local Organizations p21<br>Professional Certifications p21 |
| **02.0** Identify safety procedures in the workplace. | Maintaining a Safe Workplace pp53-55<br>Employee Responsibilities pp54-55<br>Preventing Accidents p55<br>Personal Protective Equipment pp55-58<br>CT #1-3, p76<br>SA #1-9, p76 |
| **02.01** Identify the common causes of accidents in the horticulture industry. | Maintaining a Safe Workplace pp53-58<br>Employee Responsibilities pp54-55 |
| **02.02** Demonstrate proper safety precautions and use of personal protective equipment specific to the horticulture industry. | Maintaining a Safe Workplace pp53-55<br>Personal Protective Equipment pp55-58<br>Eye Protection p56<br>Hearing Protection p56<br>Respiratory Protection pp56-57<br>Protective Clothing pp57-58 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 9**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **02.03** Explain, identify, and utilize pertinent information from a container label and/or Safety Data Sheet (SDS) according to Environmental Protection Agency (EPA), Worker Protection Standard and Occupational Safety and Health Agency (OHSA) Regulations. | Safety and Health Agencies pp52-53<br>Shop Safety p65<br>Safety Data Sheets p65 |
| **03.00** Identify and classify plants. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217<br>Nursery/Landscape Plant Identification pp255-269 (illustrated) |
| **03.01** Identify plants by scientific and common names. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217<br>Nursery/Landscape Plant Identification pp255-269 (illustrated) |
| **03.02** Classify plants botanically. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217 |
| **03.03** Write scientific names for plants. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217 |
| **04.00** Demonstrate plant propagation techniques. | Plant Propagation pp191-194 |
| **04.01** Identify propagating and growing facilities and structures. | STEM Connection<br>Science in Plant Production—Micropropagation p6<br>Plant Propagation pp191-194 |
| **04.02** Prepare propagation media. | Substrates pp187-190<br>Making a Substrate pp187-190 |
| **04.03** Select and collect propagation materials. | Substrates pp187-190<br>Making a Substrate pp187-190 |
| **04.04** Demonstrate propagation by sexual and asexual methods. | Plant Propagation pp191-194<br>Sexual Propagation pp191-192<br>Asexual Propagation pp192-194 |
| **04.05** Demonstrate environmental controls for propagation materials. | Plant Propagation pp191-194 |
| **05.00** Identify growing media and fertilizers. | Substrates pp187-190<br>organic fertilizers pp539-540<br>Inorganic fertilizers pp540-541<br>quick-release fertilizers (QRF) pp541-542<br>slow-release fertilizer (SRF) p542<br>controlled-release fertilizer (CRF) p542 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 10**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **05.01** Identify soil and media materials. | Substrates pp187-190<br>Transplants and Soil Types pp203-304 |
| **05.02** Identify nutritional needs of plants. | Plant Nutrition pp227-228 |
| **05.03** Identify symptoms of nutritional deficiencies and toxicities of plants. | Plant Nutrition pp227-228<br>Nutrient Deficiency Symptoms pp227-228 |
| **05.04** Identify types and kinds of fertilizers. | Management Plans pp537-543<br>organic fertilizer pp539-540<br>Inorganic fertilizers pp540-541<br>quick-release fertilizers (QRF) pp541-542<br>slow-release fertilizer (SRF) p542<br>controlled-release fertilizer (CRF) p542 |
| **05.05** Identify methods of distributing fertilizers. | Fertilizer Application Methods p543<br>STEM Connection: Material/Fertilizer Spreader Calibration p539 |
| **05.06** Interpret information on a label of fertilizer used in Florida. | SA #7, p231 |
| **06.00** Apply irrigation skills for plants and turfgrass. | Water Needs p127<br>Irrigation Systems pp354-356<br>Installing the System pp363-368 |
| **06.01** Identify water needs of plants. | Water Needs pp127-128 |
| **06.02** Irrigate plants at recommended rates. | Water Needs p127<br>Irrigation Systems pp354-356<br>Installing the System pp363-368 |
| **06.03** Identify the symptoms of excessive water and water stress in plants. | Water Needs pp127-128<br>Water Feature Maintenance p338 |
| **06.04** Describe the basic irrigation systems and principles used in the landscape and nursery. | Irrigation System Components pp350-354 |
| **07.00** Demonstrate Integrated Pest Management approaches. | Using IPM pp566-568<br>IMP Control Methods pp568-p573 |
| **07.01** Identify common pests of plants. | Types of Pests p573<br>Plant Diseases p577 |
| **07.02** Describe life cycles of common pests of plants. | Growth and Development pp574-575 |
| **07.03** Recognize signs of damage from pests. | Types of Pests p573<br>Plant Diseases p577 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 11**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **08.00** Describe the principles and requirements of plant growth. | Plant Processes pp224-227 |
| **08.01** Explain how the energy of sunlight is converted to chemical energy through the process of photosynthesis. | Plant Processes pp224-227 |
| **08.02** Explain how photosynthesis in plants is directly affected by various environmental factors such as light and temperature. | Plant Processes pp224-227 |
| **08.03** Explain the process of respiration and the flow of energy in plants. | Plant Processes pp224-227 |
| **08.04** Describe the influence of light and temperature on plant growth including photo tropism. | Choosing Plant Materials pp126-129<br>Plant Processes pp224-227 |
| **09.00** Apply Best Management practices in the horticulture industry. | Project Management pp502-504 |
| **09.01** Identify and apply Best Management Practices to reduce pollution and conserve water. | Sustainability pp284-285<br>Turfgrass Alternatives pp285-287 |
| **09.02** Identify and apply Best Management Practices on fertilizer recommendations for Florida plants and turf. | Management Plans pp537-545 |
| **09.03** Compare and contrast organic verses traditional practices. | Organic Fertilizers p539<br>Inorganic Fertilizers pp540-543<br>SA #9, p137<br>SA #7, p209<br>SA #3, p563 |
| **10.00** Identify principles of landscape design. | CH 6 Principles and Elements of Design pp139-155 |
| **10.01** Compare and contrast the use of line, form, texture, and color in designing landscapes. | Elements of Design pp145-150<br>Line p145<br>Form pp145-146<br>Texture pp146-149<br>Color pp149-150<br>SA #1, p155<br>SA #4, p155 |
| **10.02** Identify the principles of design (unity, repetition, balance, emphasis, and scale) as they apply to landscapes. | Principles pp140-145<br>Balance pp140-141<br>Focalization pp141-142<br>Simplicity pp142-143 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 12**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| | Rhythm p143<br>Proportion pp143-144<br>Scale pp144-145<br>Unity p145 |
| **10.03** Identify points of emphasis and major design areas in the residential landscape. | Site Considerations pp150-152<br>Outdoor Rooms pp158-161 |
| **10.04** Identify plant selection for a residential landscape using Florida Friendly Landscape Principles. | Choosing Plant Materials pp126-130<br>USDA Hardiness Zones pp130-131<br>Figure 5-20 p130<br>AHS Heat Zones pp131-132<br>Chapter 10 Ornamental Plants in the Landscape pp233-269 |
| **10.05** Read and interpret a landscape plan. | CH 16 Creating the Design pp405-429<br>Principles and Elements of Design p139 |
| **10.06** Develop skills for drawing and identifying symbols. | CH 16 Creating the Design pp405-429 |
| **10.07** Draw and design a landscape plan for a small garden. | CH 16 Creating the Design pp405-429 |
| **10.08** Construct a landscape display. | CH 16 Creating the Design pp405-429 |
| **10.09** Identify technology used for landscape design. | CH 16 Creating the Design pp405-429 |
| **11.00** Apply safety procedures in the workplace. | Maintaining a Safe Workplace pp53-55<br>Employee Responsibilities pp54-55<br>Preventing Accidents p55<br>Personal Protective Equipment pp55-58<br>CT #1-3, p76<br>SA #1-9, p76 |
| **11.01** Describe emergency procedures in the horticulture workplace. | First Aid p59-60<br>Animals p61-62<br>Workplace Safety Hazards pp61-64<br>Heat Cramps pp62-63<br>Heat Exhaustion p63<br>Heatstroke p63<br>Sun Exposure pp63-64<br>Hypothermia p64<br>Frostbite p64<br>Severe Weather p64<br>First Aid (chemical exposure) pp67-68 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 13**

| Florida Department of Education Curriculum | |
|---|---|
| **Landscape & Turf Management Program:** | |
| **Standard** | **Location in Text** |
| **11.02** Create preventive measures to avoid hazardous situations. | Maintaining a Safe Workplace pp53-55<br>Training p54<br>Employee Responsibilities pp54-55<br>Preventing Accidents p55 |
| **11.03** Apply problem solving skills to correct a hazardous situation. | Case Study: Working Safely p54<br>Case Study: Staying Safe around Large Equipment p72<br>Case Study: Staying Safe While Trimming Trees p72 |
| **12.00** Classify plants based on scientific principles. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217 |
| **12.01** Describe principles of plant biology and growth. | Plant Processes pp224-227 |
| **12.02** Explain the role of plants in the ecosystem. | Choosing Plant Materials pp126-129<br>Plant Processes pp224-227 |
| **12.03** Describe the major classifications of plants based on life cycle. | Physical Hardiness and Life Cycle pp126-127<br>Scientific Classification pp213-217<br>Physical Hardiness and Life Cycle pp126-127 |
| **12.04** Demonstrate the use of scientific and common names of plants including genus and specific epithet and cultivar. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217 |
| **12.05** Demonstrate proper use of scientific names. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217 |
| **13.00** Demonstrate proper use of growing media and fertilizers. | Substrates pp187-190 |
| **13.01** Apply information on a label of fertilizer used in Florida. | Management Plans pp537-545 |
| **13.02** Apply fertilizer and soil amendments. | Amendments p189 |
| **13.03** Identify materials that are needed to alter pH and calculate the amount to apply to change the pH. | Substrates pp187-190<br>Soil pH p228 |
| **13.04** Demonstrate the procedure for calibrating a fertilizer spreader or injector using appropriate mathematical concepts. | Fertilizer Application Methods p543<br>STEM Connection: Material/Fertilizer Spreader Calibration p439 |
| **13.05** Identify essential elements and nutrients in plant growth including macronutrients and micronutrients. | Plant Nutrition pp227-228<br>Macronutrients and Micronutrients pp227-228 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 14**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **13.06** Using references make fertilizer recommendations for ornamental plants, turfgrass, and palms. | Management Plans pp537-545 |
| **14.00** Demonstrate Integrated Pest Management approaches. | Using IPM pp566-568<br>IMP Control Methods pp568-p573 |
| **14.01** Classify insects according to feeding habits. | Invertebrate Pests pp574-577 |
| **14.02** Describe biological, chemical, and cultural methods of controlling plant pests. | Quarantines pp204-205<br>SA #5, p595 |
| **14.03** Diagnose and outline a plan for controlling pests on a horticultural crop. | IPM Control Methods p568 |
| **14.04** Describe methods of controlling nematode pests on ornamental plants. | Pest Management p565 |
| **14.05** Develop a pest control program for a horticultural crop using Integrated Pest Management. | Using IPM pp566-568<br>IMP Control Methods pp568-p573 |
| **14.06** Identify and apply Best Management Practices on the management and handling of pesticides. | Pesticide Labels pp583-586<br>Pesticide Application pp586-590<br>Storage and Disposal pp589-590 |
| **15.00** Identify the principles and requirements of plant growth. | Plant Processes pp224-227 |
| **15.01** Demonstrate methods of pruning plants. | Pruning, Grafting, and Budding Tools pp92-93<br>Pruning pp547-554 |
| **15.02** Identify appropriate time to prune plants. | Pruning, Grafting, and Budding Tools pp92-93<br>Pruning pp547-554 |
| **15.03** Identify and select pruning tools. | Chapter 4 Tools and Equipment pp79-115<br>Nursery and Landscaping Equipment and Supplies Identification pp106-115<br>Pruning, Grafting, and Budding Tools pp92-94 |
| **15.04** Demonstrate proper use of pruning tools and care. | Chapter 4 Tools and Equipment pp79-115<br>Nursery and Landscaping Equipment and Supplies Identification pp106-115<br>Pruning, Grafting, and Budding Tools pp92-94 |
| **15.07** Identify specific cultural, mechanical, chemical, and biological methods of weed management. | Weeds p573<br>Pesticide Formulations p581 |
| **16.00** Apply Best Management Practices in landscape design. | Landscape Management p535 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 15**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **16.01** Identify and apply Best Management Practices for the design and installation of landscapes. | Landscape Management p535 |
| **17.00** Apply principles of landscape design and maintenance. | Chapter 6 Principles and Elements of Design pp139-155<br>Principles pp140-145<br>Balance pp140-141<br>Focalization pp141-142<br>Simplicity pp142-143<br>Rhythm p143<br>Proportion pp143-144<br>Scale pp144-145<br>Unity p145<br>Line p145<br>Form pp145-146<br>Texture pp146-149<br>Color pp149-150 |
| **17.01** Demonstrate the use of line, form, texture, and color in designing landscapes. | Line pp145<br>Form pp145-146<br>Texture pp146-149<br>Color pp149-150 |
| **17.02** Demonstrate the principles of design (unity, repetition, balance, emphasis, and scale) as they apply to landscapes. | Chapter 6 Principles and Elements of Design pp139-155<br>Principles pp140-145<br>Balance pp140-141<br>Focalization pp141-142<br>Rhythm p143<br>Proportion pp143-144<br>Scale pp144-145<br>Unity p145 |
| **17.03** Apply points of emphasis and major design areas in the commercial landscape. | Focalization pp141-142<br>Site Considerations pp150-152 |
| **17.04** Identify plant selection for a commercial landscape using Florida Friendly Landscape principles. | Choosing Plant Materials pp126-130 |
| **17.05** Create a landscape plan for a residential or commercial property. | Site Considerations p150<br>CH 16 Creating the Design pp405-429 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 16**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **17.06** Calculate materials needed according to the identified landscape plan (e.g., cost analysis). | Calculating Seed and Plant Materials pp299-301<br>STEM Connection: Measurement Conversions p299<br>STEM Connection: Calculating Seed p300<br>STEM Connection: Calculating Sod p301 |
| **17.07** Identify factors in selecting turf for landscape installation. | Types of Lawns pp273-274 |
| **18.00** Harvest, transport, and install plant materials. | Transporting Nursery Stock pp202-203<br>Transplants and Soil Types pp203-204 |
| **18.01** Determine requirements for preserving plant viability. | |
| **18.02** Demonstrate proper landscape plant establishment techniques. | Choosing Plant Materials pp126-130<br>Ornamental Plants in the Landscape pp233-247 |
| **18.03** Select and prepare plants for transporting and transplanting. | Choosing Plant Materials pp126-130<br>USDA Hardiness Zones pp130-131<br>Figure 5-20 p130<br>AHS Heat Zones pp131-132<br>Transporting Nursery Stock pp202-203<br>Transplants and Soil Types pp203-204 |
| **18.04** Select horticultural products according to Florida grades and standards. | Choosing Plant Materials pp126-130<br>Chapter 10 Ornamental Plants in the Landscape pp233-269 |
| **19.00** Identify procedures to operate, repair, and maintain tools and equipment. | Chapter 4 Tools and Equipment pp79-115<br>Maintenance p81<br>Checklists p81<br>Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **19.01** Perform equipment pre-operational check. | Checklists p81 |
| **09.02** Identify, maintain, and operate hand tools and power tools. | Chapter 4 Tools and Equipment pp79-115<br>Maintenance p81<br>Checklists p81<br>Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **20.00** Identify emerging technologies in the horticulture industry. | Landscape Design pp11-14<br>Measuring Devices p82<br>Pesticide Formulations p581 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 17**

| Florida Department of Education Curriculum<br>Landscape & Turf Management Program: | |
|---|---|
| **Standard** | **Location in Text** |
| **20.02** Evaluate advances in biotechnology that impact horticulture. (e.g., transgenic crops, biological controls, micro propagation, drones, mechanical technology, etc.). | STEM Connection: Science in Plant Production: Micropropagation p6<br>Micropropagation p193 |
| **21.00** Demonstrate leadership, employability, communications, and human relations skills. | Workplace Readiness Skills: Timeliness p29<br>Succeeding in the Workplace pp36-39<br>Work Habits p37<br>Time Management p37<br>Attitude on the Job p38<br>Professional Behavior p38<br>Decision Making and Problem Solving p38<br>Ethical Workplace Behavior p39<br>Communicating in the Workplace pp39-41<br>Using Social Media Responsibly p40<br>Interpersonal Skills pp41-42<br>Leadership pp42-44<br>Conflict Management pp44-45 |
| **21.01** Identify acceptable work habits and personal characteristics. | Workplace Readiness Skills: Timeliness p29<br>Succeeding in the Workplace pp36-39<br>Work Habits p37<br>Time Management p37<br>Attitude on the Job p38<br>Professional Behavior p38<br>Decision Making and Problem Solving p38<br>Ethical Workplace Behavior p39<br>Communicating in the Workplace pp39-41<br>Using Social Media Responsibly p40<br>Interpersonal Skills pp41-42<br>Leadership pp42-44<br>Conflict Management pp44-45 |
| **21.02** Identify acceptable employee hygiene habits. | Health and Hygiene pp36-37 |
| **21.03** Identify or demonstrate appropriate responses to criticism from employer. | Professional Behavior p38 |
| **21.04** Describe the importance of industry certifications. | Professional Certifications p21<br>Training and Certification p59 |
| **21.05** Create a resume and portfolio. | Résumés and Portfolios pp30-33 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 18**

| Florida Department of Education Curriculum | |
|---|---|
| **Landscape & Turf Management Program:** | |
| **Standard** | **Location in Text** |
| **22.00** Identify business principles. *(Know industry and competitors; build a qualified team; create high-quality product; define your goals; promote services; understand structure; principles of finance and accounting; operational systems and processes; use capital strategically; prioritize customers)* | Business Structures pp432-436<br>Setting Goals pp440-441 |
| **22.01** Calculate markup, gross margin, and gross profit. | Income, Profit, and Expenses p448<br>Profits and Profit Margins pp466-468 |
| **22.02** Evaluate a Profit and Loss (P&L) statement. | Profits and Profit Margins pp466-467 |
| **22.04** Write a business plan. | Business Plans pp436-437 |
| **23.00** Manage inventory. | Recordkeeping p81<br>Budgets and Costs p449 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 19**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point B: Landscape and Groundskeeping** | |
| **Standard** | **Location in Text** |
| **24.0** Maintain tools and equipment. The student will be able to: | Chapter 4 Tools and Equipment pp79-115<br>Maintenance p81<br>Checklists p81<br>Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **24.01** Maintain oil level in engines of power equipment. | Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **24.02** Check and maintain tire air pressure on equipment. | Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **24.03** Maintain fuel levels using proper fuel or fuel mixtures (alternative fuels). | Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **24.04** Operate transmissions (hydrostatic, manual, automatic). | Basic Maintenance for Power Equipment p99<br>Maintaining Large Equipment pp100-101 |
| **24.05** Identify, operate, and maintain tractor and power equipment. | Chapter 4 Tools and Equipment pp79-115<br>Maintenance p81 |
| **24.06** Service and maintain battery and electrical systems. | Basic Maintenance for Power Equipment p99 |
| **24.07** Perform minor tune-up on engines. | Basic Maintenance for Power Equipment p99 |
| **24.08** Load, secure, and transport equipment. | Transportation and Hauling Equipment pp101-102 |
| **24.09** Demonstrate safety precautions while working with tools and equipment. | Case Study: Working Safely p54<br>Case Study: Staying Safe around Large Equipment p72<br>Case Study: Staying Safe While Trimming Trees p72<br>Chapter 4 Tools and Equipment pp79-115<br>Preventing Accidents p55<br>Personal Protective Equipment pp55-58<br>Tool and Equipment Safety p80<br>Personal Protective Equipment p80<br>Safety First pp86, 88, 92, 94, 96, 99<br>CT #1-3, p76<br>SA #1-9, p76 |
| **25.00** Demonstrate application of chemicals and calibrate spray equipment. | STEM Connection: Calibrating a Hand Sprayer p590 |
| **25.01** Select, mix, apply, and record a non-restricted chemical according to the label and local, state, federal, and EPA regulations. | Chemicals and Liquid Fuels pp66-67<br>Chemical Structure and Toxicity p572<br>Chemical Controls p573 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 20**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point B: Landscape and Groundskeeping** | |
| **Standard** | **Location in Text** |
| **25.02** Calibrate spray and spreader equipment. | STEM Connection: Calibrating a Hand Sprayer p590 |
| **25.03** Discuss appropriate responses to chemical or fertilizer spills. | Control, Contain, and Cleanup p68 |
| **25.03** Discuss appropriate responses to chemical or fertilizer spills. | Safety Data Sheets p65<br>Chemicals and Liquid Fuels pp66-68<br>Control, Contain, and Cleanup p68 |
| **25.04** Identify and report insect and disease damage on plants and turfgrass. | Types of Pests p573<br>Plant Diseases p577<br>Pests, Disorders, and Beneficial Insects Identification (illustrated glossary) pp596-603<br>SA #2-3, #8, p595 |
| **25.05** Diagnose a plant or disease problem on turfgrass. | Types of Pests p573<br>Plant Diseases p577<br>Pests, Disorders, and Beneficial Insects Identification (illustrated glossary) pp596-603<br>SA #2-3, #8, p595 |
| **25.06** Identify and report insect and disease damage. | Types of Pests p573<br>Plant Diseases p577<br>Pests, Disorders, and Beneficial Insects Identification (illustrated glossary) pp596-603<br>SA #2-3, #8, p595 |
| **25.07** Determine chemical compatibility. | Chemicals and Liquid Fuels pp66-67<br>Chemical Structure and Toxicity pp572<br>Chemical Controls p573 |
| **25.08** Determine appropriate time frequency and method of chemical application. | Pesticide Application p586 |
| **25.09** Identify current certification and licensure. | Professional Certifications p21 |
| **26.0** Classify plants and turfgrass. | Plant Nomenclature pp212-213<br>Scientific Classification pp213-217<br>Plant Parts pp219-224<br>Plant Production p185<br>Ornamental Plants in the Landscape p233<br>Cool-Season Turfgrasses pp275-280<br>Warm-Season Turfgrasses pp280-285<br>Turfgrass Selection p271 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 21**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point B: Landscape and Groundskeeping** | |
| **Standard** | **Location in Text** |
| **26.01** Classify plants and turfgrass as annuals, biennials, and perennials. | Physical Hardiness and Life Cycle pp126-127 |
| **26.02** Identify plants and turfgrass that are specific to a region. | USDA Hardiness Zones pp130-132<br>Cool-Season Turfgrasses p275<br>Warm-Season Turfgrasses p280 |
| **26.03** Identify common weeds in Florida turfgrasses. | Pests, Disorders, and Beneficial Insects Identification (illustrated glossary) pp596-603 |
| **27.00** Demonstrate fertilization skills. The students will be able to: | Management Plans pp537-545 |
| **27.01** Develop a fertilization schedule. | Management Plans pp537-545<br>Rates of Application p542 |
| **27.02** Interpret fertilizer charts and develop recommendations according to turf species. | Management Plans pp537-543 |
| **27.03** Calibrate fertilizer equipment. | Fertilizer Application Methods p543 |
| **28.00** Irrigate plants and turfgrass. | Water Needs p127<br>Irrigation Systems pp354-356<br>Installing the System pp363-368 |
| **28.01** Identify various types of irrigation systems. | Irrigation Systems pp354-356 |
| **28.02** Install and maintain piping and water distribution components. | Pipe Placement p362<br>Installing Pipes p364 |
| **28.03** Install valves, timers, rain shut-offs, moisture sensors, and back flow prevention devices. | Irrigation System Components pp350-354<br>Installing the System pp363-368 |
| **28.04** Design a microirrigation system. | Field Production p200 |
| **28.05** List problems associated with improper design, installation, and maintenance. | Maintenance and Repair p368<br>Hardscape Installation p394 |
| **28.06** Identify water for irrigation. | Water Sources pp346-349 |
| **28.07** Interpret water source test results. | Water Sources pp346-349 |
| **28.08** Identify remediation practice and tools available to address water quality issues. | Chapter 4 Tools and Equipment pp79-115 |
| **29.0** Layout and install landscape and/or interiorscape. | Site Evaluation and Plant Selection p117<br>The Installation Process pp513-519<br>Ornamental Plants in the Landscape p233<br>Turfgrass Installation and Management pp293-306<br>Landscape Lighting and Water Features pp317-332<br>Installing the System pp363-368 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 22**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point B: Landscape and Groundskeeping** | |
| **Standard** | **Location in Text** |
| **29.01** Prepare landscape and/or interiorscape. | Site Evaluation and Plant Selection p117<br>Site Considerations pp150-152 |
| **29.02** Prepare final grade. | Setting the Final Grade p396 |
| **29.03** Calculate labor and material costs associated with installation. | Gathering Information pp460-462<br>Project Estimates and Bids p466<br>Quotes and Bids pp477-486 |
| **29.04** Layout plants based on a landscape plan. | Choosing Plant Materials pp126-129<br>Ornamental Plants in the Landscape p233 |
| **29.05** Plant site using sound cultural practices. | Site Considerations pp150-152<br>Cultural Controls p569 |
| **29.06** Install mulch and perform final cleanup. | Adding Mulch p521 |
| **30.0 LG** Maintain landscape. | Landscape Maintenance p15<br>Maintenance Needs p123<br>Management vs. Maintenance p536 |
| **30.00** Maintain landscape. | Maintenance and Repair pp368-370<br>Management Plans pp537-546 |
| **30.01** Perform maintenance inspection of the project. | Maintenance and Repair pp368-370<br>The Installation Process pp514-519<br>Management Plans pp537-546 |
| **30.02** Determine water requirements and apply at proper rates. | Water Needs p127 |
| **30.03** Identify weeds and apply herbicides safely. | Weeds p573<br>Herbicides p579<br>Pesticide Application p586 |
| **30.04** Determine fertilization requirements and apply at proper rates. | Management Plans pp537-545 |
| **30.05** Identify plant pest and disease problems and apply corrective measures. | IPM Control Methods p568<br>Types of Pests p573<br>Plant Diseases p577<br>Vertebrates p578 |
| **30.06** Trim and prune landscape plants. | Pruning, Grafting, and Budding Tools pp92-93<br>Pruning pp547-554 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 23**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point B: Landscape and Groundskeeping** | |
| **Standard** | **Location in Text** |
| **30.07** Maintain turf viability; mow at proper height and frequency, blade edge, line trim, and remove trash. | Turfgrass Installation and Management p293 |
| **30.08** Explain cause and effect of soil compaction and thatch buildups and determine appropriate methods of correction. | Raking and Scraping Tools p89<br>Landscaping Power Equipment p96<br>Performing a Soil Analysis pp121-123<br>Warm-Season Turfgrasses pp282-283<br>Step Four: Prepare the Site p309 |
| **30.09** Cultivate and mulch plants. | Herbaceous Perennials p240<br>Adding Mulch p521 |
| **30.10** Prune trees based on ANSI (American National Standard Institute) standards. | Pruning, Grafting, and Budding Tools pp92-93<br>Pruning pp547-554 |
| **30.11** Provide protection for plants from adverse weather conditions. | Weather Conditions pp62-63<br>Freeze-Thaw Cycle p122<br>Water Needs p127<br>Acclimatization p195 |
| **30.12** Comply with local, state, and federal regulations regarding landscape maintenance and pesticide applications. | Pesticide Labels pp583-586<br>Pesticide Application pp586-590<br>Storage and Disposal pp589-590 |
| **30.13** Demonstrate sanitation and safety practices when maintaining landscape. | Maintaining a Safe Workplace pp53-55 |
| **31.00** Maintain customer relations and observe follow-up procedures. | Client Contact pp491-494<br>Project Management pp502-508 |
| **31.01** Conduct walk-through of project with client to assure satisfaction. | Client Contact pp491-494<br>Project Management pp502-508 |
| **31.02** Identify current and future maintenance requirements. | Maintenance and Repair pp368-370<br>The Installation Process pp514-519<br>Management Plans pp537-546 |
| **31.03** Analyze project records for profitability and employee performance. | Recordkeeping p81<br>Income, Profit, and Expenses p448<br>Profits and Profit Margins pp466-467 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 24**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point C: Landscape and Groundskeeping Supervisors** | |
| **Standard** | **Location in Text** |
| **32.00** Analyze and design landscape. The student will be able to: | Chapter 5 Site Evaluation and Plant Selection pp117-137<br>Evaluating the Site p118<br>Visiting the Site pp118-120<br>Performing a Soil Analysis pp121-123<br>Identifying Landscape Use pp123-125<br>Rules and Regulations pp124-125 |
| **32.01** Analyze and interpret plans, specifications, and environmental conditions of the project. | Chapter 5 Site Evaluation and Plant Selection pp117-137 |
| **32.02** Design the project. | CH 16 Creating the Design pp405-429 |
| **32.03** Identify and locate project materials. | Choosing Plant Materials p126<br>Plant Materials p331 |
| **32.04** Determine personnel and equipment needs and safety requirements for the project. | Maintaining a Safe Workplace pp53-55<br>Personal Protective Equipment pp55-58<br>High-Visibility Clothing p69<br>Work Area Barriers pp69-70<br>Job Site and Vehicle Safety p68<br>Vehicle Safety pp70-73<br>CT #1-3, p76<br>SA #1-9, p76 |
| **32.05** Establish project schedule. | Scheduling and Site Access p394<br>Scheduling Installation or Task Completion Times p528<br>Scheduling Multiple Projects pp558-559 |
| **33.00** Prepare estimates, contracts, and presentation. | Gathering Information pp460-462<br>Project Estimates and Bids p466<br>Quotes and Bids pp477-486<br>Bid Solicitation pp494-498<br>Quotes and Business Contracts pp498-502<br>SA #4, p485<br>SA #2, p507 |
| **33.01** Determine costs of materials, equipment, and labor. | Gathering Information pp460-462<br>Project Estimates and Bids p466<br>Profits and Profit Margins pp466-468<br>Budgets and Costs pp468-477<br>Quotes and Bids pp477-486<br>SA #2, p105<br>SA #4, p315 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 25**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point C: Landscape and Groundskeeping Supervisors** | |
| **Standard** | **Location in Text** |
| **33.02** Prepare a price for the project and terms of contract. | Gathering Information pp460-462<br>Project Estimates and Bids p466<br>Quotes and Bids pp477-486<br>Quotes and Business Contracts pp498-502<br>SA #4, p315<br>SA #2, p343<br>SA #1-2, p374 |
| **33.03** Prepare written contract, using standard rules of English, including punctuation, spelling, sentence structure and references. | Quotes and Business Contracts pp498-502<br>SA #2, p507 |
| **33.04** Prepare and give oral presentation of the project design using standard rules of English, including punctuation and sentence structure. | SA #5, p155<br>SA #3, #6, p209<br>SA #5, p231<br>SA #3, p254<br>SA #3, p290<br>SA #2, p507 |
| **33.05** Maintain job records, daily log sheets, and inventory. | Recordkeeping p81<br>Inventory p81 |
| **34.0 LGS** Lay out and install landscape and turf. | Turfgrass Installation and Management p293<br>Step Two: Prepare the Site pp303-304<br>Step Three: Sample the Soil p304<br>Step Four: Amend the Soil pp304-305<br>Step Five: Plant the Turfgrass pp305-306<br>Step Six: Maintain the New Turfgrass p306 |
| **34.01** Locate existing utilities and secure a permit. | Landscape Designer pp12-13<br>Hardscape Installation p394 |
| **34.02** Prepare and rough grade the site. | Grading Equipment p390<br>The Installation Process pp513-514 |
| **34.03** Determine procedures for installation of large materials. | Installing the System pp363-368<br>Hardscape Installation pp394-398<br>The Installation Process pp513-518 |
| **34.04** Install and test irrigation system. | Installing the System pp363-368<br>Maintenance and Repair pp368-370 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 26**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point C: Landscape and Groundskeeping Supervisors** | |
| **Standard** | **Location in Text** |
| **34.05** Identify procedures for constructing hardscape (walls, walks, patios, drives, etc.). | Types of Hardscapes pp378-381<br>Hardscape Installation pp394-398 |
| **34.06** Identify and consult with hardscape organizations. | Ordering Materials p389 |
| **35.00** Conduct final walk-through of landscape installation. | Cleaning Up p528<br>Scheduling Installation or Task Completion Times p528 |
| **35.01** Conduct walk-through of installation project with client to assure customer satisfaction. | Project Management p502<br>Cleaning Up p528<br>Scheduling Installation or Task Completion Times p528 |
| **35.02** Analyze project records for profitability and employee performance. | Recordkeeping p81<br>Income, Profit, and Expenses p448<br>Profits and Profit Margins pp466-467 |
| **36.00** Identify components of athletic fields. | Athletic Fields and Golf Courses p274 |
| **36.01** Identify turf selection for various athletic fields. | Athletic Fields and Golf Courses p274<br>Cool-Season Turfgrasses pp275-280<br>Warm-Season Turfgrasses pp280-284<br>Chapter 12 Turfgrass Installation and Management p293 |
| **36.02** Identify appropriate dimensions for different athletic fields and specific requirements. | Measuring Devices pp82-84 |
| **36.03** Design an underground drainage system. | Drainage p514 |
| **37.00** Maintain athletic fields. | Athletic Fields and Golf Courses p274 |
| **37.01** Apply proper line marks for athletic fields. | Athletic Fields and Golf Courses p274 |
| **37.02** Painting fields (school logos or names) | Athletic Fields and Golf Courses p274 |
| **37.03** Apply proper techniques for clay maintenance. | Soil Types p203<br>Soil Amendments p515<br>Soil Texture p545<br>STEM Connection: Using the Soil Triangle p545 |
| **37.04** Mow grass to appropriate height for field use. | Mowers pp97-99<br>Mowing Lawns p307 |
| **38.00** Develop recreational areas. | Athletic Fields and Golf Courses p274<br>Chapter 12 Turfgrass Installation and Management p293 |
| **38.01** Establish plant beds with annuals, biennials, and perennials. | Physical Hardiness and Life Cycle pp126-127 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 27**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point C: Landscape and Groundskeeping Supervisors** | |
| **Standard** | **Location in Text** |
| **38.02** Plant accent trees and shrubs in a recreational area. | Trees pp234-238<br>Shrubs pp238-240 |
| **38.03** Establish sports turf. | Athletic Fields and Golf Courses p274<br>Cool-Season Turfgrasses pp275-280<br>Warm-Season Turfgrasses pp280-284<br>Chapter 12 Turfgrass Installation and Management p293 |
| **39.00** Maintain sports turf. | Athletic Fields and Golf Courses p274<br>Cool-Season Turfgrasses pp275-280<br>Warm-Season Turfgrasses pp280-284<br>Chapter 12 Turfgrass Installation and Management p293 |
| **39.01** Mow sport turf with reel mowers. | Landscaping Power Equipment pp96-98 |
| **39.02** Irrigate turfgrass. | Irrigation Systems pp354-356<br>Installing the System pp363-368 |
| **39.03** Verticut turfgrass. | Landscaping Power Equipment p96<br>Step Four: Prepare the Site p309 |
| **39.04** Aerate turf and remove debris. | Landscaping Power Equipment pp96-97<br>Performing a Soil Analysis pp121-122<br>Step Three: Weed Control pp308-309 |
| **40.00** Establish turfgrass. | Methods of Establishing Turfgrass pp294-300<br>Establishing a New Lawn pp301-307 |
| **40.01** Level seedbed. | Leveling Tools pp84-85 |
| **40.02** Plant turf by sprigs, plugs or sod. | CH 12 Turfgrass Installation and Management pp293-315<br>Methods of Establishing Turfgrass pp294-301<br>Seeding pp294-296<br>Sodding pp296-298<br>Sprigging and Plugging pp298-299<br>Plugs and Liners p195 |
| **40.03** Remove sod with sod cutter. | Landscaping Power Equipment p96 |
| **40.04** Identify irrigation methods for establishing turfgrass. | Methods of Establishing Turfgrass p294<br>Irrigation Design p357 |
| **41.00** Tending and rejuvenating turf. | Renovating a Lawn pp308-316 |
| **41.01** Apply top dressing. | Step Six: Maintain the New Turfgrass p306<br>Top-Dressing p398 |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.

**Correlation of Correlation of *Landscape Design, Installation, and Management* to Florida Department of Education Curriculum: Landscape and Turf Management Program—page 28**

| Florida Department of Education Curriculum | |
|---|---|
| **Completion Point C: Landscape and Groundskeeping Supervisors** | |
| **Standard** | **Location in Text** |
| **41.02** Overseed turf. | Cool-Season Turfgrasses pp275-280<br>Warm-Season Turfgrasses pp280-284<br>Chapter 12 Turfgrass Installation and Management p293 |
| **41.03** Irrigate turf. | Irrigation Design, Installation, and Maintenance p345 |
| **41.04** Aerate turf. | Landscaping Power Equipment pp96-97<br>Performing a Soil Analysis pp121-122<br>Step Three: Weed Control pp308-309 |
| **41.05** Apply fertilizer. | Fertilizer Application Methods p543 |
| **42.00** Determine drainage system needs and design a drainage system. | Drainage p514 |
| **42.01** Determine the natural slope/grade of an area. | Grading Equipment p390<br>The Installation Process pp513-514 |
| **42.02** Determine the texture and percolation characteristics of the soil. | Soil Types p203 |
| **42.04** Design an underground drainage system. | Drainage p514 |
| **43.00** Develop life cycle of equipment. | Large Equipment pp99-100 |
| **43.01** Analyze the cost of replacing equipment versus repairing equipment. | Tools and Equipment pp85-100 |
| **43.02** Evaluate lease versus purchase of equipment. | Tools and Equipment pp85-100 |
| | |

Copyright © 2025 Goodheart-Willcox Co., Inc. All Rights Reserved. You may not reproduce or allow unauthorized access to any G-W course or other materials, except as permitted by U.S. copyright law. Such materials may be used for your own educational purposes only, in a location not accessible by the general public.