

Landscaping 1 (8036)

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A Demonstrating Personal Qualities and Abilities HS.1

- 1 Demonstrate creativity and innovation. HS.1.1
 - 2 Demonstrate critical thinking and problem solving. HS.1.2
 - 3 Demonstrate initiative and self-direction. HS.1.3
 - 4 Demonstrate integrity. HS.1.4
 - 5 Demonstrate work ethic. HS.1.5
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B Demonstrating Interpersonal Skills HS.2

- 6 Demonstrate conflict-resolution skills. HS.2.6
 - 7 Demonstrate listening and speaking skills. HS.2.7
 - 8 Demonstrate respect for diversity. HS.2.8
 - 9 Demonstrate customer service skills. HS.2.9
 - 10 Collaborate with team members. HS.2.10
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C Demonstrating Professional Competencies HS.3

- 11 Demonstrate big-picture thinking. HS.3.11
- 12 Demonstrate career- and life-management skills. HS.3.12
- 13 Demonstrate continuous learning and adaptability. HS.3.13
- 14 Manage time and resources. HS.3.14
- 15 Demonstrate information-literacy skills. HS.3.15
- 16 Demonstrate an understanding of information security. HS.3.16
- 17 Maintain working knowledge of current information-technology (IT) systems. HS.3.17
- 18 Demonstrate proficiency with technologies, tools, and machines common to a specific occupation. HS.3.18
- 19 Apply mathematical skills to job-specific tasks. HS.3.19
- 20 Demonstrate professionalism. HS.3.20
- 21 Demonstrate reading and writing skills. HS.3.21
- 22 Demonstrate workplace safety. HS.3.22

D Examining All Aspects of an Industry HS.4

- 23 Examine aspects of planning within an industry/organization. HS.4.23
- 24 Examine aspects of management within an industry/organization. HS.4.24
- 25 Examine aspects of financial responsibility within an industry/organization. HS.4.25
- 26 Examine technical and production skills required of workers within an industry/organization. HS.4.26
- 27 Examine principles of technology that underlie an industry/organization. HS.4.27
- 28 Examine labor issues related to an industry/organization. HS.4.28
- 29 Examine community issues related to an industry/organization. HS.4.29
- 30 Examine health, safety, and environmental issues related to an industry/organization. HS.4.30

E Addressing Elements of Student Life HS.5

- 31 Identify the purposes and goals of the student organization. HS.5.31
- 32 Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult. HS.5.32
- 33 Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects. HS.5.33
- 34 Identify Internet safety issues and procedures for complying with acceptable use standards. HS.5.34

F Exploring Work-Based Learning HS.6

- 35 Identify the types of work-based learning (WBL) opportunities. HS.6.35
- 36 Reflect on lessons learned during the WBL experience. HS.6.36
- 37 Explore career opportunities related to the WBL experience. HS.6.37
- 38 Participate in a WBL experience, when appropriate. HS.6.38
- 39 Identify the role of supervised agricultural experiences (SAEs) in agricultural education. HS.6.39
- 40 Participate in an SAE. HS.6.40

G Exploring Leadership Opportunities through FFA HS.7

- 41 Identify the benefits and responsibilities of FFA membership. HS.7.41
- 42 Describe leadership characteristics and opportunities as they relate to agriculture and FFA. HS.7.42
- 43 Apply for an FFA degree and/or an agricultural proficiency award. HS.7.43

H Gaining an Overview of the Landscaping Industry HS.8

- 44 Describe the importance of the landscaping and green industry to the Virginia and U.S. economies. HS.8.44
- 45 Research career opportunities related to landscaping. HS.8.45
- 46 Identify opportunities in continuing education, training, licensure, and certification. HS.8.46
- 47 Analyze trends in the landscape industry. HS.8.47
- 48 Identify professional organizations for the landscaping industry. HS.8.48

I Designing the Landscape HS.9

- 49 Research the historical development of landscape design. HS.9.49
- 50 Describe the landscape design process. HS.9.50
- 51 Relate the principles of art to landscape design. HS.9.51
- 52 Establish a client's landscaping requirements, using a residential inventory survey. HS.9.52
- 53 Analyze the landscape site. HS.9.53
- 54 Create a landscape plan for a residential or commercial property based on industry standards and recommended practices. HS.9.54
- 55 Design the site for function and aesthetics. HS.9.55
- 56 Interpret the landscape plan. HS.9.56
- 57 Explain the benefits of a landscape irrigation system. HS.9.57
- 58 Explain the benefits of a landscape lighting system. HS.9.58
- 59 Draw a landscape design, using industry graphics and standards. HS.9.59
- 60 Present the landscape plan. HS.9.60
- 61 Develop a landscaping portfolio. HS.9.61

J Gaining an Overview of the Importance of Soil and Plant Science in the Landscaping Industry HS.10

- 62 Analyze a soil sample. HS.10.62
- 63 Examine best management practices for improving soil health. HS.10.63
- 64 Develop soil amendment recommendations for nursery and landscape plants. HS.10.64
- 65 Identify nursery and landscape plants. HS.10.65
- 66 Select plants for the landscape. HS.10.66

K Constructing the Landscape HS.11

- 67 Demonstrate the use of landscape tools and related equipment. HS.11.67
- 68 Describe the guidelines for personal protective equipment (PPE) in the landscaping industry. HS.11.68
- 69 Identify common injuries in the landscaping industry. HS.11.69
- 70 Explain pertinent information from a container label and/or safety data sheet (SDS) according to the Environmental Protection Agency (EPA), Worker Protection Standard (WPS), and Occupational Safety and Health Administration (OHSA) regulations. HS.11.70
- 71 Describe emergency procedures in the landscaping workplace. HS.11.71
- 72 Identify landscaping tools and equipment. HS.11.72
- 73 Manage equipment and machinery to minimize energy consumption, maximize function, and protect water and other natural resources. HS.11.73
- 74 Adhere to safe operation procedures for hand tools, power tools, and landscaping or horticultural equipment and machinery. HS.11.74
- 75 Demonstrate the safe operation and use of landscape tools and related equipment. HS.11.75
- 76 Amend the soil based on a soil analysis and recommendations for the types of plants (i.e., annuals, biennials, perennials, bulbs, evergreens, coniferous, deciduous, vines, groundcovers, aquatics, shrubs, grasses, rushes, sedges, cacti, succulents, and tropicals). HS.11.76
- 77 Prepare the site for planting. HS.11.77
- 78 Purchase plants. HS.11.78
- 79 Install plant materials. HS.11.79

L Maintaining the Landscape HS.12

- 80 Identify cultural practices used in the landscaping industry. HS.12.80
- 81 Water landscapes. HS.12.81
- 82 Fertilize landscape plantings. HS.12.82
- 83 Describe mulching of landscape plantings. HS.12.83
- 84 Edge plant beds. HS.12.84
- 85 Prune landscape plants. HS.12.85
- 86 Maintain lawns. HS.12.86
- 87 Identify symptoms of nutritional deficiencies and toxicities of plants. HS.12.87
- 88 Manage pests, using Integrated Pest Management (IPM) strategies. HS.12.88
- 89 Apply best management practices in the landscape industry. HS.12.89
- 90 Explain how to store, handle, transport, and dispose of pesticides in a manner consistent with labeling, regulation and compliance, and adhering to all user safety guidelines. HS.12.90
- 91 Demonstrate procedures for calibrating a fertilizer spreader or injector using mathematical concepts. HS.12.91