Horticulture Competencies

Demonstrating Workplace Readiness Skills: Personal Qualities and People Skills
1. Demonstrate positive work ethic.
2. Demonstrate integrity.
3. Demonstrate teamwork skills.
4. Demonstrate self-representation skills.
5. Demonstrate diversity awareness.
6. Demonstrate conflict-resolution skills.
7. Demonstrate creativity and resourcefulness.

Demonstrating Workplace Readiness Skills: Professional Knowledge and Skills
8. Demonstrate effective speaking and listening skills.
9. Demonstrate effective reading and writing skills.
10. Demonstrate critical-thinking and problem-solving skills.
11. Demonstrate healthy behaviors and safety skills.
12. Demonstrate an understanding of workplace organizations, systems, and climates.
13. Demonstrate lifelong-learning skills.
14. Demonstrate job-acquisition and advancement skills.
15. Demonstrate time-, task-, and resource-management skills.
16. Demonstrate job-specific mathematics skills.
17. Demonstrate customer-service skills.

Demonstrating Workplace Readiness Skills: Technology Knowledge and Skills
18. Demonstrate proficiency with technologies common to a specific occupation.
19. Demonstrate information technology skills.
20. Demonstrate an understanding of Internet use and security issues.
21. Demonstrate telecommunications skills.

Examining All Aspects of an Industry
22. Examine aspects of planning within an industry/organization.
23. Examine aspects of management within an industry/organization.
24. Examine aspects of financial responsibility within an industry/organization.
25. Examine technical and production skills required of workers within an industry/organization.
26. Examine principles of technology that underlie an industry/organization.
27. Examine labor issues related to an industry/organization.
28. Examine community issues related to an industry/organization.
29. Examine health, safety, and environmental issues related to an industry/organization.

Addressing Elements of Student Life
30. Identify the purposes and goals of the student organization.
31. Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.
32. Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.
33. Identify Internet safety issues and procedures for complying with acceptable use standards.

Gaining an Overview of the Environmental Horticulture Industry
34. Identify the components of the program and the course.
35. Follow safety procedures for personal protection in the horticulture industry.
36. Examine career opportunities in the horticulture industry.

**Practicing Leadership Skills**
37. Identify benefits and responsibilities of FFA membership.
38. Identify duties of all officers in the FFA.
39. Participate in a committee meeting.
40. Prepare and deliver an oral presentation or speech.
41. Participate in a panel discussion.
42. Write a news release.
43. Use parliamentary procedure.
44. Develop record-keeping skills, using the Virginia SAE Record Book.
45. Complete an FFA award and/or officer application.
46. Participate in a community improvement project.
47. Develop an annual plan for Supervised Agricultural Experience (SAE) based on personal goals.
48. Apply for an FFA proficiency award.

**Applying Science to Horticulture**
49. Demonstrate understanding of plant taxonomy.
50. Analyze plant anatomy and physiology.
51. Identify how environmental factors influence plant growth.
52. Establish plant propagation procedures.

**Investigating the Floriculture Industry**
53. Establish greenhouse growing practices.
54. Design interior plantings.
55. Design floral arrangements.
56. Identify floriculture crops.

**Investigating the Landscaping Industry**
57. Design landscapes.
58. Construct landscapes.
59. Maintain landscapes.
60. Identify landscape plants.

**Establishing and Maintaining Turf Grass**
61. Establish turf.
62. Maintain turf.
63. Renovate turf.

**Producing Fruits and Vegetables**
64. Identify vegetable crops.
65. Plan and prepare a vegetable garden site.
66. Plant and maintain vegetable plantings.
67. Identify small fruits.
68. Plan a fruit garden.
69. Plant and maintain fruit crops.

**Managing Pests**
70. Demonstrate understanding of Integrated Pest Management (IPM).
71. Identify greenhouse and garden pests.
72. Interpret pesticide labels.
73. Locate and interpret Material Safety Data Sheets.
74. Follow environmental and personal safety procedures.
75. Follow pest control programs for greenhouse and landscape crops.