



| Goodheart-Willcox Publisher Correlation of <i>Principles of Floral Design: An Illustrated Guide</i> ©2021 to Alabama Course of Study: CTE Agriculture, Food, and Natural Resources Course: Floriculture and Floral Design, Grades 9-12 | |
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| STANDARD | CORRELATING PAGES |
| History | |
| 1. Discuss the history of floriculture and floral design, including the role of flowers in past civilizations. | 34-49 |
| Floral Structures | |
| 2. Compare and contrast the structures of monocot and dicot plants. | 89-100 |
| 3. Differentiate between complete and incomplete flowers produced by flowering plants. | 90 |
| 4. Illustrate various parts of the flower and discuss the importance of each. | 89-96 |
| Floral Propagation | |
| 5. Demonstrate propagation of common flowering and foliage plants through sexual and asexual means. | 5, 89-92 |
| Floral Growth Requirements | |
| 6. Assess environmental and cultural factors that affect growth of plants in the floriculture industry. | |
| a. Describe the roles sunlight, water, pH, and carbon dioxide play in flower growth and development. | 96-101 |
| b. Assess different types of growing media used in the floriculture industry. | 96-101 |
| c. Identify various plant nutrients that specifically affect flower growth and development. | 96-101 |
| 7. Compare and contrast different growing environments and indicate how each setting affects floral growth. | 100-101 |
| Floral Identification | |
| 8. Identify various species of flowering and foliage plants and describe how they are commonly used in the floriculture industry. | 89, 564-569, 577-582 |

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| a. Differentiate between annual and perennial flowering and foliage plants. | 101 |
| Pest Management | |
| 9. Identify common pests that affect the floriculture industry. | |
| a. Compare and contrast a variety of methods to control insects and diseases in flowers, noting the advantages, disadvantages, and environmental effects of each method. | 502-503 |
| Handling Procedures | |
| 10. Demonstrate techniques for conditioning and maintaining flowers and other floral design materials. | 108-121 |
| 11. Identify tools employed in the floriculture industry and demonstrate their proper use. | 64-70 |
| Elements of Design | |
| 12. Discuss the principles of balance, proportion and scale, focal point, emphasis, rhythm, harmony, and unity in creating a design. | 128-143 |
| 13. Describe the incorporation of the design elements of line, form, and texture within a floral design. | 150-167 |
| a. Use the color wheel to create color schemes in floral designs. | 150-159 |
| Design Mechanics | |
| 14. Identify and create various forms of floral products. | 312-339, 346-375, 382-413 |
| 15. Compare and contrast various floral construction techniques and materials. | 312-339, 346-375, 382-413 |
| 16. Design and create floral arrangements using proper techniques to illustrate each design principle. | 128-143 |
| Business Operations | |
| 17. Compare and contrast retail and wholesale floral practices. | 6-11, 497-498, 536-543, 546-552 |
| 18. Explain pricing criteria used in the floral industry. | 542-543 |



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| 19. Prepare plants and merchandise for marketing. | 546-548 |
| 20. Demonstrate different types of sales transactions. | 548-552 |
| 21. Research and share information regarding domestic and foreign sources of commonly-used flowers and plants. | 358 |
| 22. Gather and communicate information about managerial skills required for operating a successful floral business. | 24-27 |