

### Level 1 Certification Pre-Test Matrix

Floral Design TEKS 127.53.d Knowledge and Skills	Number of Questions per TEK
<b>(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:</b>	
1A identify career and entrepreneurship opportunities for a chosen occupation in the field of floral design and develop a plan for obtaining the education, training, and certifications required;	
1B model professionalism by continuously exhibiting appropriate work habits, solving problems, taking initiative, communicating effectively, listening actively, and thinking critically;	
1C model appropriate personal and occupational safety and health practices and explain the importance of established safety and health protocols for the workplace;	
1D analyze and interpret the rights and responsibilities, including ethical conduct and legal responsibilities, of employers and employees; and	
1E describe and demonstrate characteristics of good citizenship in the agricultural workplace, including promoting stewardship, community leadership, civic engagement, and agricultural awareness and literacy.	
<b>(2) The student develops a supervised agricultural experience program. The student is expected to:</b>	
2A plan, propose, conduct, document, and evaluate a supervised agricultural experience program as an experiential learning activity; and	
2B use appropriate record-keeping skills in a supervised agricultural experience program.	
<b>(3) The student develops leadership skills through participation in an agricultural youth organization. The student is expected to:</b>	
3.A participate in youth agricultural leadership opportunities;	

(3.B) review and participate in a local program of activities; and	
(3C) create or update documentation of relevant agricultural experience such as community service, professional, or classroom experiences.	
<b>(4) The student identifies elements and principles of design in floral art in both historical and current contexts. The student is expected to:</b>	
(4.A) identify the historical trends and characteristics of floral art as they relate to current industry practices;	1
(4.B) identify design elements in floral art, including color, texture, form, line, space, pattern, size, and fragrance;	4
(4.C) identify design principles in floral art, including rhythm, balance, proportion, dominance, contrast, harmony, and unity;	3
(4.D) identify the ancillary concepts of design principles such as emphasis, focal area, repetition, transition, opposition, and variation; and	1
(4.E) compare the forms and functions of flowers and foliage, including form, mass, line, and filler.	2
<b>(5) The student demonstrates elements and principles through the creation of floral designs using flowers and plants. The student is expected to:</b>	
(5.A) create and evaluate floral arrangements using cut flowers, including arrangements using bud vases, and round, symmetrical, and asymmetrical designs;	1
(5.B) create and evaluate floral designs using permanent botanicals such as homecoming mums;	
(5.C) design and create corsages and boutonnieres;	1
(5.D) create floral designs for specific holidays and cultural occasions such as weddings and funerals; and	
(5.E) create interiorscapes using the elements and principles of floral design.	
<b>(6) The student makes informed judgments about</b>	

<b>personal designs and the designs of others. The student is expected to:</b>	
(6.A) interpret, evaluate, and justify artistic decisions in the design of personal arrangements;	
(6.B) evaluate and appraise floral designs;	
(6.C) construct a physical or electronic portfolio of personal floral artwork to provide evidence of learning; and	
(6.D) interpret and evaluate design elements and principles in floral arrangements of others.	
<b>(7) The student demonstrates contemporary designs and creativity in the floral industry by developing floral design skills. The student is expected to:</b>	
(7.A) identify and classify specialty floral items for a variety of occasions;	2
(7.B) create specialty designs to expand artistic expression;	
(7.C) apply proper wiring and taping techniques to materials used in the floral industry; and	1
(7.D) demonstrate safe and proper usage of floral design tools.	
<b>(8) The student recognizes the current industry practices of floral enterprises. The student is expected to:</b>	
(8.A) identify and classify flowers, foliage, and plants used in floral design;	4
(B) use temperature, preservatives, and cutting techniques to extend the vase life of floral materials;	3
(C) identify and describe how tools, chemicals, and equipment are used in floral design and describe safe handling practices;	2
(D) analyze the needs of indoor plants such as fertilizer, light, pruning, and water based on the condition of the plant;	1
(E) identify common pests and diseases that affect the floral industry; and	

(F) identify management techniques of pests and diseases in the floral industry, including the safe use of pesticides.	
<b>(9) The student recognizes current business management practices of floral enterprises. The student is expected to:</b>	
(A) create cost-effective floral designs;	
(B) apply pricing strategies and order-processing skills to meet various budgets and needs; and	
(C) describe packaging, distribution, and setup logistics in the floral industry.	1
<b>(10) The student understands botany and physiology and how they relate to floral design and interiorscapes. The student is expected to:</b>	
(A) analyze the structure and functions of indoor plants used in the floral industry; and	3
(B) identify the structure and functions of flowers used in the floral industry.	