

## **Floriculture**

A Special Project of the South Dakota FFA Foundation

### **Important Note**

Please thoroughly read the General Rules at the beginning of this handbook for complete rules and procedures that are relevant to all South Dakota FFA Career Development Events.

### **Purpose**

The purpose of the Floriculture Career Development Event is to promote the study or interest in production and retailing of flowers, plants, and foliage through the agricultural education curriculum.

### **Objectives**

- Identify floriculture and bedding plant materials.
- Identify and understand the treatment of unhealthy plants due to pest, nutritional, mechanical, or chemical injury.
- Understand the biological and scientific principles and develop the skills underlying propagation, growth requirements, growing techniques, harvesting, marketing and maintenance of established floriculture plants.
- Understand principles and develop skills of floral design.
- Identify and select appropriate supplies and equipment for the flower shop and greenhouse.
- Understand and demonstrate the use of safety procedures and practices in floriculture operations.
- Understand general business practices appropriate to the floriculture industry.

### **Event Rules**

Each team will be comprised of four members.

The top three individual scores will be used to determine the final team score.

### **Event Format**

The Floriculture CDE will consist of four phases, including: identification of plant materials, a general knowledge examination, problem solving/decision making, and a floral arrangement practicum.

#### **Identification of Plant Materials and Equipment – 50 points**

Each participant will be allowed 30 minutes to complete this phase of the event.

Fifty items from the South Dakota Floriculture Plant and Equipment Identification list will be displayed for participants to identify common names.

The 50 specimens will be split into 45 plants and 5 equipment.

Each item will be designated by a number to be filled in on the scantron.

One point will be awarded for each item that is correctly identified.

#### **General Knowledge Examination – 50 points**

Each participant will be allowed 50 minutes to complete this phase of the event.

Fifty objective-type multiple-choice questions will be written that cover areas of the floriculture industry.

This phase of the event will test participants' knowledge and understanding of basic biological and scientific principles of producing and marketing flowers, plants, and foliage's.

Each answer has a value of one point.

### Problem Solving/Decision Making – 50 points

Each participant will be allowed 30 minutes to complete this phase of the event.

Each participant will solve five problems related to the various aspects of the floriculture industry identified in the CDE objectives. Each problem will describe a situation associated with the floriculture industry and list four possible solutions.

Each participant must utilize problem solving skills to select the BEST possible solution to the question. All materials and information necessary to solve the questions will be available to the participant.

### Floral Arrangement Practicum – 100 points

Participants will be allowed 30 minutes to complete their arrangements and 5 minutes to complete an itemized bill.

Each student will make a \$35.00 floral arrangement with the materials provided. No outside materials will be allowed, with the exception of floral knife/shears.

Participants will be provided the retail price of the flowers and foliage that they will use in their arrangements. The markup will be built into the retail price of the flowers and foliage used in the arrangement. Retail cost of flowers and foliage given to the participant will be determined after polling florists to determine their current retail prices of the materials.

## Scoring

	Points Possible
Identification of Plant Materials	50
General Knowledge Exam	50
Problem Solving / Decision Making	50
Floral Arrangement Practicum	100
<b>Total Possible Individual Score</b>	<b>250</b>
<b>Total Possible Team Score (3 participants)</b>	<b>750</b>

## Tiebreakers

- A. In the case of a team tie, the order to break the tie will be:
  1. Floral Arrangement Scores
  2. Total Problem Solving Score
- B. In the case of an individual tie, the order to break the tie will be:
  1. Individual General Knowledge Exam Score
  2. Individual Identification of Plant Materials Score

## References

National FFA Core Catalog – Past CDE Materials (<http://shop.ffa.org/cde-materials-c1289.aspx>)  
*Introduction to Horticulture*. Schry & Reily, Delmar Publishers.  
*Floral Design & Interior Landscape Management*. Dianne A. Noland, Prentice-Hall, Inc.

### Floral Arrangement Scorecard

Participant's Name: \_\_\_\_\_

Chapter Name: \_\_\_\_\_

Chapter ID Number: \_\_\_\_\_

	<b>Possible Points</b>	<b>Points Earned</b>
Design	35	
Balance	15	
Functionality	5	
Judges' Choice	10	
<b>Total Arrangement Score</b>	<b>65</b>	
Price Range	11	
Accuracy	10	
Completeness	7	
Neatness	<b>7</b>	
<b>Total Itemized Bill Score</b>	<b>35</b>	
<b>Total Score</b>	<b>100</b>	

### **Explanation of Floral Arrangement Terms**

**Design:** Design is the overall shape or form of the composition; a planned relationship of the parts. The elements of design include: line (linear patterns attracting the eye to the focal point); form (three dimensional shape); texture (surface appearance of materials); color (use of tints, tones, shades of hues, as well as black, gray and white); the pleasing way in which lines, textures, sizes and colors are blended or contrasted and the tying together of the parts by the combination of good design, balance, and harmony.

**Balance:** Visual stability, regardless of whether design is symmetrical or asymmetrical determined by the relative sizes of material and relative darkness of lightness and the placement of them.

**Functionality:** Appropriateness of arrangement for intended use and soundness of construction.

**Judge's Choice:** The use of plant materials and design principles in a particularly creative, original, and unique manner.

**Floral Arrangement Itemized List of Costs**

Participant's Name: \_\_\_\_\_

Chapter: \_\_\_\_\_

<b>Flower/Foliage</b>	<b>Quantity Used</b>	<b>Unit Cost</b>	<b>Total</b>
<b>Total Flower/Foliage Material Cost</b>			

<b>Other</b>	<b>Quantity Used</b>	<b>Unit Cost</b>	<b>Total</b>
<b>Total Other Materials Cost</b>			

<b>Total Flower/Foliage Material Cost</b>	
<b>Total Other Material Cost</b>	
<b>Floral Foam</b>	
<b>Container Cost</b>	
<b>Total Arrangement Cost</b>	

\*Participants will be provided the RETAIL price of flowers and foliage that they will use in their arrangement by the event official at the beginning of the practicum. The MARKUP is built into the retail price of the flowers and the foliage used in the arrangement.