



# FLORICULTURE CDE

## PURPOSE

The Floriculture Career Development Event is designed to create an interest in career preparation for all current and future aspects of the floriculture industry through leadership development and hands on technical skill development using industry standards which are delivered through the agriculture education curriculum.

## ELIGIBILITY

The participant must be an active member of a chartered Florida FFA Chapter and enrolled in grades 9, 10, 11, or 12. Each chapter may enter one team.

## EVENT PROCEDURES

The event will be a team event consisting of four students. Only the top three scores will be calculated for the team total. A team may compete with less than four members. FFA members are to wear OUTDOOR FFA Official Dress, and will be scored accordingly.

Under no circumstance will any participants be allowed to handle any of the items in the identification portion of the practicum's. Any infraction of this rule will be sufficient to eliminate a team from the event.

No FFA advisors/coaches will be allowed in the area of the contest, but arrangements will be made to view the specimens directly following the last rotation.

## PRACTICUMS

Each year, four practicum's will be selected. The four to be used will be identified by the CDE superintendent and teams will be notified prior to the event.

## EVENT MATERIALS

### MATERIALS STUDENTS MUST PROVIDE:

- Pencils
- Clipboard
- Electronic calculator (if needed) - standard four function, battery operated, non-programmable

Any other materials required for the event will be provided.

## INDIVIDUAL PRACTICUMS

### IDENTIFICATION PRACTICUM

#### PLANT & EQUIPMENT IDENTIFICATION

Fifty specimen from the Floriculture Plant and Equipment Identification List will be displayed for participants to identify by technical and common names. Participants will identify 35 plants and 15 pieces of equipment. Each specimen is worth 10 points. A number will designate each specimen. Specimens may presented either in live form or as a picture. Each participant will be allowed 25 minutes to complete this phase of the event.

### PROBLEM SOLVING PRACTICUMS

#### SALESMANSHIP

Participants will assume the role of a sales person, merchandising or marketing professional in a floriculture business (greenhouse grower, florist shop, garden center, etc.) They could be asked to create or evaluate advertising in either print or social media or to create or evaluate store displays. Situations may also be presented where the participants must assist a customer. Each participant will be allowed 25 minutes to complete this phase of the event.

- Media Selling
- Store displays
- Customer service

#### COMMUNICATION

Participants will be presented with situations in one of the categories below. They will be asked questions on how to react or perform when dealing with people within a floriculture business. Each participant will be allowed 25 minutes to complete this phase of the event.

- Job Interview
- People Management
- Time Management

#### PROBLEM SOLVING/DECISION MAKING

Participants will solve problems related to various aspects of the floriculture industry identified below. Each problem will describe the situation or create the problem and will provide a list of possible solutions. Participants must choose the best solution. Each participant will be allowed 25 minutes to complete this phase of the event.

- Handling a Hazardous Situation
- Identifying and Controlling Plant Disorders
- Plant Soil Water Relationships
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### SKILLS PRACTICUM

#### FLORAL

Participants will be asked to create one of the following items, using the materials provided. Material costs are given and the participants will be asked to determine the total arrangement cost. Scoring is based on creativity, design and the ability to follow the directions of the event

leaders. Each participant will be allowed 25 minutes to complete this phase of the event.

- Corsage/Boutonniere
- Bud Vase
- Dish Garden
- Foliage Arrangement



## PRODUCTION

Participants will be asked to complete one of the following activities, using the materials provided. Scoring is based on the procedures they follow, safe practices and the ability to follow the directions of the event leaders. Each participant will be allowed 25 minutes to complete this phase of the event.

- Asexual Propagation (cuttings, air layering, division)
- Potting of Young Plants
- Pinching Plants

## SCORING

Practicum	Activity	Individual	Team
Identification	Plants	350	1,050
Identification	Equipment & Supply	150	450
Problem Solving and Skills	Four rotational practicums	200 each/ 800 total	2,400
Official Dress		50	150
Total		1,350	4,050

## TIE BREAKERS

In the event of a tie in individualized scores, the following events will be used in order to determine award recipients:

### INDIVIDUAL

1. Identification Scores
2. Single practicum Score (selected by CDE superintendent)

### TEAM

In the event of a tie in team scores, the following events will be used in order to determine award recipients:

1. Drop Score
2. Total identification score
3. Total score for a single practicum (selected by the CDE superintendent)

## AWARDS

Awards will be presented during a designated session at the annual State FFA Convention and Expo.

Awards will be presented to the top five teams as well as the overall high individual based upon their rankings. Awards are sponsored by a cooperating industry sponsor(s) as a special project and/or by the general fund of the Florida FFA Foundation.

## REFERENCES

This list of references is not intended to be inclusive. Other sources may be utilized and teachers are encouraged to make use of the very best instructional materials available. The following list contains references that may prove helpful during event preparation. Previous event materials may be available on the Florida FFA Website.

- FNGLA Certified Horticulture Professional Manual, 8th Edition 2010. Florida Nursery Growers and Landscape Association, 1533 Park Center Drive, Orlando, FL 32835, 800-375-3642 or [www.fn gla.org](http://www.fn gla.org)
- The Florida Yards & Neighborhoods Handbook, 2009. Florida Yards & Neighborhoods, University of Florida, Institute of Food and Agricultural Sciences (UF/IFAS), Environmental

Horticulture Dept., P.O. Box 110675, Gainesville, FL 32611-0675, 352-273-4518 <http://ffl.ifas.ufl.edu/materials/FYN-Handbook-v1-2012.pdf>

- Floriculture: Designing & Merchandising by Charles Griner. Delmar Cengage Learning, 5 Maxwell Dr, Clifton Park, NY 12065, [www.cengage.com/delmar](http://www.cengage.com/delmar)

## IDENTIFICATION SPECIMEN LIST

PLANT	
Botanical name	Common name
Aechmea fasciata cv.	Silver Vase Bromeliad
Ageratum houstonianum	Ageratum
Alstroemeria hybrid cv.	Peruvian Lily
Anemone coronaria	Anemone
Anethum graveolens cv.	Dill
Angelonia hybrid cv.	Angelonia
Anthurium x andraeanum cv.	Flamingo Plant
Antirrhinum majus cv.	Snapdragon
Aphelandra squarrosa cv.	Zebra Plant
Araucaria heterophylla	Norfolk Island Pine
Asparagus densiflorus	Sprengeri Fern
Aster pringlei	Monte Cassino Aster
Astilbe hybrid cv.	Astilbe
Begonia x semperflorens – cultorum	Wax Begonia
Begonia x tuberhybrida cv.	Tuberous Begonia
Caladium x hortulanum cv.	Caladium
Calibrachoa hybrid cv.	Million Bells
Callistephus chinensis cv.	China Aster
Campanula hybrid cv.	Campanula
Canna x generalis cv.	Garden Canna
Capsicum annum	Ornamental Pepper Plant
Catharanthus roseus	Periwinkle
Celosia argentea cv.	Cockscomb
Chamaedorea elegans	Parlor Palm
Chamelaucium uncinatum	Waxflower
Cholorophytum comosum cv.	Spider Plant
Chrysanthemum x morifolium	Florist's Chrysanthemum
Clematis hybrid cv.	Clematis
Codiaeum variegatum pictum	Croton
Crassula argentea	Jade Plant
Cycas revoluta cv.	Sago Palm
Cyclamen x persicum cv.	Florist's Cyclamen
Cymbidium cv.	Cymbidium Orchid
Cymbopogon cv.	Lemongrass (herb)
Dahlia hybrid cv.	Dahlia
Delphinium consolida cv.	Larkspur
Dendrobium cv.	Dendrobium Orchid
Dianthus caryophyllus cv.	Carnation
Dracaena cincta	Red Edge Dracaena
Echinocactus cv.	Barrel Cactus
Epipremnum aureum cv.	Golden Pothos
Erica carnea cv.	Spring Heather

Eucalyptus polyanthemos	Silver Dollar Eucalyptus
Euphorbia pulcherrima cv.	Poinsettia
Eustoma grandiflorum	Lisianthus
Exacum affine	Persian Violet
Ficus benjamina cv	Benjamin Fig
Ficus elastica cv	Rubber Plant
Fragaria x ananassa cv.	Strawberry Plant
Freesia x hybrida	Freesia
Gardenia jasminoides	Gardenia
Gerbera jamesonii	Gerbera Daisy
Gladiolus x hortulanus cv.	Garden Gladiolus
Gomphrena hybrid cv.	Globe Amaranths
Gypsophila elegans cv.	Baby's Breath
Hedera helix cv.	English Ivy
Helianthus annuus	Sunflower
Hemerocallis cv.	Daylily
Hippeastrum hybrid cv.	Amaryllis
Hosta cv.	Hosta
Hoya carnosa	Wax Plant
Hyacinthus orientalis cv.	Hyacinth
Hydrangea macrophylla	Big Leaf Hydrangea
Impatiens hybrid cv.	Impatiens
Impomoea batatas cv.	Ornamental Sweet Potato
Iris x xiphium cv.	Dutch Iris
Senecio cineraria	Dusty Miller
Justica brandegeana	Shrimp Plant
Kalanchoe x blossfeldiana cv.	Kalanchoe
Leucanthemum x superbum	Shasta Daisy
Leucospermum hybrid cv.	Pin Cushion Protea
Liatris spicata	Liatris
Lilium hybrid cv.	Asiatic or Oriental Lily
Limonium sinuatum	Statice
Lobularia maritima	Alyssum
Maranta leuconeura	Prayer Plant
Matthiola incana cv.	Stock
Monstera deliciosa	Split Leaf Philodendron
Narcissus hybrid cv.	Daffodil or Narcissus
Nephrolepis exaltata cv.	Boston Fern
Ocimum basilicum cv.	Basil
Opuntia cv.	Cactus
Paeonia cv.	Peony
Paphiopedilum hybrid cv.	Ladyslipper Orchid
Pelargonium x hortorum cv.	Zonal Geranium
Pelargonium peltatum cv.	Ivy Geranium
Pentas hybrid cv.	Pentas

Petroselinum crispum cv.	Parsley
Petunia x hybrida cv.	Petunia
Phalaenopsis cv.	Moth Orchid
Philodendron scandens oxycardium	Heartleaf Philodendron
Pilea cadierei	Aluminum Plant
Portulaca oleracea cv.	Portulaca
Primula malacoides cv.	Primrose
Ranunculus hybrid cv.	Ranunculus
Rhododendron simsii cv.	Florist Azalea
Rosa hybrid cv	Hybrid Tea Rose
Rumohra adiantiformis	Leatherleaf Fern
Saintpaulia ionantha cv.	African Violet
Salvia splendens cv.	Salvia
Sansevieria trifasciata cv.	Snake Plant
Schefflera arboricola	Octopus Plant
Schlumbergera bridgesii	Christmas Cactus
Sempervivum hybrid cv.	Hens and Chicks
Senecio x hybridus cv.	Cineraria
Sinningia speciosa Fyfiana Group cv.	Florist Gloxinia
Solidago hybrid cv	Solidago
Solenostemon scutellarioides	Coleus
Spathiphyllum	Peace Lily
Stephanotis floribunda	Stephanotis
Strelitzia reginae	Bird of Paradise
Syngonium podophyllum	Nephthytis
Tagetes species cv.	Marigold
Tradescantia zebrine	Wandering Jew
Tulipa cv.	Tulip
Verbena hybrid cv.	Verbena
Vinca hybrid cv.	Vinca
Viola x wittrockiana cv.	Pansy
Zantedeschia hybrid cv.	Calla Lily
Zinnia cv.	Zinnia

## EQUIPMENT & SUPPLY

#100 Ribbon (satin, sheer, 340 wired)

#3 Ribbon (satin, sheer, wired)

#40 Ribbon (satin, sheer, wired)

#9 Ribbon (satin, sheer, wired)

18 Gauge floral wire

28 Gauge floral wire

Anvil-and-blade pruner

Backflow preventer

Bouquet sleeve

Bulb planter

Cardette

Cell pack containers

Ceramic container

Chemical resistant gloves

Chenille stem

Coconut coir

Compressed air sprayer

Corsage box

Corsage pin

Corsage snips

Drip emitter, irrigation

Dry foam

Dust mask

Duster

Elle pot

Enclosure card

Fern greening pins

Fertilizer injectors

Floral adhesive

Floral foam

Floral knife

Floral preservative

Floral stem tape

Fogger

Gas mask

Glass vase

Glue gun

Glue pan

Glue sticks

Goggles

Granular fertilizer

Greenhouse thermostat

Hanging basket

Hearing protection

Hook-and-blade pruners (bypass pruners)

Hose punch

Hose repair coupling

Hose-end repair fitting

Hose-end sprayer

Hose-end washer

Impulse sprinkler

Irrigation tape

Irrigation timer
Mist nozzle (mist bed)
Spanish moss
Nosegay holder
Nursery container
olenoid valve
Oscillating sprinkler
Peat moss
Peat pots
Pest strips
Ph testing meter
Polyethylene film
Polyethylene pipe
Pot covers
Propagation mat
Propagation trays
PVC (polyvinylchloride) pipe
PVC pipe cutter
Resin-coated fertilizer
Respirator
Ribbon shears
rice hulls
Rock wool growing cells
Rose and stem flower stripper
Safety goggles
Sand
Scoop shovel
Shade fabric
Sharpening stone
Sheet moss
Siphon proportioner
Soil moisture meter
Sphagetti tubing (1/4" diameter or less)
Sphagnum moss
Spray suit
Square point (flat) shovel
Styrofoam
Surestik cling
Tulle
Vermiculite
Water breaker
Water picks
Water soluble fertilizer
Water tubes

Waterproof container tape
Wire cutter
Wooden pick
Wrist corsage holder