

Floriculture

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Location: Remote/Virtual

Contest Date: TBD

General Information

The contest will be entirely online in 2021. Teams of four can compete; the top three scores will count for the team total.

Each of the three CDE sections will account for 1/3 of each contestant's final score.

A. **Written Test - (100 pts.) 45 minute time slot**

50 Multiple Choice or True/False questions over general knowledge of the horticulture industry, greenhouse production practices and floral design. Up to five of the questions will be problems to solve associated with placing orders, production planning, and/or determining sales prices of goods produced. Each contestant may use a simple calculator; smart phones are not allowed.

B. **Plant Identification - (100 pts.) 45 minute time slot**

50 specimens selected from the 2018 Kansas FFA Floriculture CDE plant materials list. See Kansas Floriculture CDE Plant Identification Review

C. **Practicum – (100 pts.) 45 minute time slot**

The practicum will incorporate both floral design and greenhouse production.

Floral design practicum: questions will focus on floral design and marketing, to include evaluation of floral arrangements and cut flowers; principles of floral design; supplies and equipment used in a flower shop; product selling (involving telephone and/or face-to-face); developing a product display; floral design construction (from creating to product sale); and customer service handling. See: Kansas FFA Floral Design Practicum Review as a resource for one category of practicum information.

Greenhouse production practicum: questions will focus on greenhouse production practices, to potentially include evaluation of bedding plants, handling hazardous situations; supplies and equipment used in a greenhouse; constructing a dish garden; technical growing procedures (including potting, asexual propagation, pinching, etc.); and plant disorder identification and management (including nutritional, diseases and arthropod pests, mechanical and chemical damage); and media selling (advertising). See Kansas FFA Floriculture Disorders Practicum Review as a resource for one category of practicum information.



References and Resources

Content for the Kansas Floriculture CDE is well aligned with the content of the National Floriculture CDE. Resources provided for the National Floriculture CDE are relevant for study and review for the Kansas Floriculture CDE. The materials are posted at www.ffa.org/participate/cdes/floriculture (login required). These include:

Four videos by Ball Horticulture that describe greenhouse production techniques evaluated as practicums:

- Potting of Young Plants
- Asexual Propagation of Plants
- Pinching Plants
- Making a Mixed Planter Combination

Floriculture Classroom Resource developed by FFA National:

Unit One: Greenhouse Care and Maintenance

- Lesson One: Materials and Equipment
- Lesson Two: Growing Procedures
- Lesson Three: Handling Chemicals
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Unit Two: Plant Disease and Pest Management

- Lesson One: Nutritional and Environmental Disorders
- Lesson Two: Plant Diseases
- Lesson Three: Insects and Pests

Unit Three: Floral Design

- Lesson One: History of Floral Design
- Lesson Two: Floral Design Concepts
- Lesson Three: Equipment Identification and Floral Crops
- Lesson Four: Pricing a Floral Arrangement
- Lesson Five: Mechanics of Floral Design

Unit Four: Business Practices

- Lesson One: Customer Service and Sales
- Lesson Two: Advertisement Media

Unit Five: Employment Skills

- Lesson One: Job Applications
- Lesson Two: Building a Resume
- Lesson Three: Job Interview

Key Content References

American Institute of Floral Design (AIFD). The AIFD Guide to Floral Design: Terms, Techniques and Traditions.

Ball Redbook, Volume 1&2. 18th ed. Ball Publishing.

Ingels, Jack. Ornamental Horticulture: Science, Operations, and Management. 2009. Fourth Edition. Delmar Publishers.

Nelson, Paul V. 2012. Greenhouse Operation and Management, 7th ed. Prentice Hall.

Reiley, H. Edward and Carroll L. Shry, Jr. Introductory Horticulture, 8th ed. 2010. Delmar Cengage Learning.



Scace, Pat Diehl and James M. DelPrince. 2015. Principles of Floral Design: An Illustrated Guide. Goodheart-Wellcox Company, Inc.

Schroeder, C.B., E.D. Seagle, L.M. Felton, J.M. Ruter, W.T. Kelley, and G. Krewer. Introduction to Horticulture Science and Technology, 5th ed.. 2015. Interstate Publishers, Inc.

Floral Design Videos:

By Nevada FFA Association: Learning about Floriculture Design and Management

- Making a grid: <https://www.youtube.com/watch?v=cfPu43ZQrdI>
- Making a cube arrangement: <https://www.youtube.com/watch?v=tj0prBxxN4Y>
- Recipes and vase types: <https://www.youtube.com/watch?v=0HG5TUfJ69Y>
- Corsages and hair combs: <https://www.youtube.com/watch?v=7DnfYC8Xqvg>

Comprehensive series of floral design videos by National Floriculture CDE Committee Member Randy Wooten, AIFD, available at PLOW (Professional Learning Online Workshops) www.plowforteachers.com, \$99/year

