

FFA Career Development Events



Nursery & Landscape and Floriculture



Online Preliminaries January 23, 2025

Floriculture

Identification of Plants and Equipment

Preliminaries: Photos of plants and equipment will be presented online in a multiple-choice exam.

Finals: Thirty-five (35) live plants and fifteen (15) actual equipment/supplies will be displayed to identify.

RESOURCES: Florida FFA Floriculture Plant and Equipment & Supply lists

www.FNGLAPlantID.com website and the National FFA Floriculture Plant ID:

<https://d3vhqawhyaq08k.cloudfront.net/F/brightonffa/National%20FFA%20Floriculture%20ID.pdf>

Problem-Solving Practicums

Salesmanship

Preliminaries: Scenarios will be presented with multiple choice questions to determine the best way to handle customer service and sales in a floriculture, floral or greenhouse environment.

Finals: Part hands-on and part written activity to be determined.

RESOURCES: Dr. Charles Hall, Texas A&M, Floral Merchandising

<https://aggie-horticulture.tamu.edu/ornamental/economic-fact-sheets/floral-merchandising/>

Greenhouse Operations (*High School only*)

Preliminaries: Multiple choice exam on types of greenhouses, greenhouse materials, benches, heating/cooling, temperature and light, irrigation water quality and fertilization.

Finals: Part hands-on and part written activity with samples, scenarios and questions on greenhouse operations.

RESOURCES: Portion of Chapter 12 of “The Horticulture Professional” textbook – Plant Production

PDF: GreenhouseOperations.pdf pages 354-362 and 369-370 and 374-375.

Skills Practicums

Production – Asexual Propagation (*High School only*)

Preliminaries: Multiple choice exam on a variety of asexual propagation methods including cuttings, air layering and division.

Finals: Hands-on activity where students conduct one or more forms of asexual propagation.

RESOURCES: Portion of Chapter 11 of “The Horticulture Professional” textbook – Plant Propagation, pages 320-332 from PDF: PlantPropagationFFA.pdf

Asexual Plant Propagation YouTube by University of Florida’s Dr. Denise DeBusk

<https://www.youtube.com/watch?v=mARW7-TqfZM>

Floral

Preliminaries: Multiple choice exam on creating floral products.

Finals: Participants will create a floral product, either wearable art or centerpiece/bud vase, to be determined.

RESOURCES: You Tube Floral Design Basics Principles & Elements part 1, 2, 3 & 4

<https://www.youtube.com/watch?v=OXmbAolAm10> (introduction)

https://www.youtube.com/watch?v=u_xf4SEJrA (color)

<https://www.youtube.com/watch?v=-O-3QxtKmJI> (principles)

<https://www.youtube.com/watch?v=54nLCsgrDVw> (composition)

Nursery & Landscape

Identification of Plants and Pests – (Middle School)

Preliminaries: Photos of plants and pests will be presented online in a multiple-choice exam.

Finals: Thirty (30) live plants and fifteen (15) photos of pests will be displayed to identify.

RESOURCES: FFA Nursery & Landscape Plant and Pest lists and www.FNGLAPlantID.com website
University of Florida “Featured Creatures” <https://entnemdept.ufl.edu/creatures/>

Identification of Plants and Pests and Environmental Hazards – (High School – NEW!)

Preliminaries: Photos of plants, pests and environmental hazards will be presented in a multiple-choice exam.

Finals: Thirty (30) live plants, fifteen (15) photos of pests and five (5) photos of environmental hazards will be displayed to identify.

RESOURCES: FFA Nursery & Landscape Plant and Pest lists and www.FNGLAPlantID.com website
University of Florida “Featured Creatures” <https://entnemdept.ufl.edu/creatures/>

Problem-Solving & Skills Practicum

Irrigation Equipment

Preliminaries: Photos of irrigation components and systems will be presented online for the students to identify the name and use of each.

Finals: Students will be presented with irrigation components, systems and scenarios and asked to determine the use of each, especially as it relates to water conservation and sustainable landscaping.

RESOURCES: Water Conservation You Tube: <https://www.youtube.com/watch?v=Zk1r269sKTA>

Anatomy of a Sprinkler System You Tube: <https://www.youtube.com/watch?v=lbaJRLGW-Xo>

Basic Irrigation Components You Tube: <https://www.youtube.com/watch?v=uNFYzpGy6eo>

Site Evaluation (High School only)

Preliminaries: Students will be asked questions about basic landscape management and evaluation, including how it relates to the function of the finished landscape in the field.

Finals: Students will be presented with a landscaped site and asked to determine whether it has been maintained according to its function.

RESOURCES: Introduction and Chapter 1 “Right Plant Right Place” Florida Friendly Landscaping:

https://ffl.ifas.ufl.edu/media/fflifasufledu/docs/FFL-Handbook_03172022_web.pdf

Site Inspection Checklist You Tube: <https://www.youtube.com/watch?v=kqwJHqa9yGc>

Production – Potting Nursery Stock

Preliminaries: Multiple choice exam on potting plants into containers.

Finals: Participants will pot nursery stock, the type to be determined.

RESOURCES: *These are just a sampling of what might possibly take place. More info to come!*

<https://www.instructables.com/How-To-Make-A-Dish-Garden-Everyone-Will-Love/>

<https://www.containedcreations.com/blog/how-to-make-an-indoor-dish-garden>

<https://www.youtube.com/watch?v=o6gzKdwzW7s>

Chemical Handling (High School only)

Preliminaries: Multiple choice exam on chemical safety.

Finals: Part hands-on and part written activity with scenarios and questions on chemical safety.

RESOURCES: Portions of Chapter 2 of “The Horticulture Professional” textbook – Safety pages 28-35

Safe Clothing around Chemicals: <https://www.youtube.com/watch?v=py0z1N5fdQo>

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