

Spanish Fork High School 2014-2015

Learning Objectives for

Floriculture & Greenhouse Management

I CAN explain the role of FFA & SAE in agricultural education.

Floriculture & Greenhouse Management: Standards 1 & 2

- I can list important dates in FFA history
- I can identify and describe FFA basics (colors, motto, creed, emblem, mission statement, and officers)
- I can identify opportunities available to me through FFA.
- I can plan an SAE program.
- I can keep records for an SAE program.

I CAN demonstrate floral design techniques.

Floriculture & Greenhouse Management: Standard 3

- I can identify common use flowers and foliage in floral design
- I can identify common tools used in floral design
- I can identify common accessories and hard goods in floral design
- I can care for fresh flowers and foliage
- I can compare and contrast monocots and dicots

I CAN explain the principles and elements of floral design.

Floriculture & Greenhouse Management: Standard 3, Objective 4

- I can create focal point in a common arrangement
- I can describe proper scale of an arrangement
- I can create proportion in an arrangement
- I can create a balanced arrangement
- I can explain how rhythm, color, and texture are used in arrangements
- I can describe the major flower forms

I CAN design floral arrangements using the principles and elements of design using the following indicators:

Floriculture & Greenhouse Management: Standard 3, Objective 5

- Design corsages and boutonnieres
- Design vase arrangements
- Design centerpieces
- Design holiday arrangements
- Design wedding pieces
- Prepare a potted plant with foil
- Create bows and/or accessories appropriate for the design

I CAN propagate greenhouse and floral crops.

Floriculture & Greenhouse Management: Standard 4, Objective 9

- I can propagate floral crops through sexual techniques
- I can propagate floral crops through asexual techniques
- I can compare and contrast sexual and asexual reproduction
- I can describe the process of plant reproduction (pollination, fertilization)
- I can describe the process of seed germination

I CAN demonstrate greenhouse crop production techniques

Floriculture & Greenhouse Management Standard 4

- I can select appropriate containers for floriculture and bedding plants
- I can select appropriate growing media
- I can demonstrate appropriate watering techniques
- I can prepare a floriculture and greenhouse crop for sale
- I can plan a growing schedule for common crops
- I can properly pinch and disbud greenhouse crops

I CAN explain floriculture and greenhouse business concepts.

Floriculture & Greenhouse Managements Standards 5-6

- I can price floral design work and greenhouse crops using costs and mark-up
- I can demonstrate appropriate customer service techniques
- I can create a marketing option for a floral design business
- I can prepare a crop for sale
- I can calculate greenhouse markups
- I can recognize costs related to production
- I can create a marketing plan for greenhouse crops
- I can describe career opportunities in the greenhouse & floriculture industry.

I CAN describe greenhouse structures, automated systems, & climate control

Floriculture & Greenhouse Management Standard 4, Objectives 1-3

- I can identify different greenhouse designs
- I can explain greenhouse construction (head house, glazing, benches)
- I can explain different climate controls
- I can explain different systems within the greenhouse(watering, heating, cooling, lighting)

I CAN examine the components & properties of growing media & nutrients

Floriculture & Greenhouse Management Standard 4, Objectives 4-5

- I can identify and describe the purpose of the components of growing media
- I can test and modify pH and explain how it effects growth
- I can determine and supply nutrients based on need

I CAN explain the effects of light, temperature, air, & water on plant growth.

Floriculture & Greenhouse Managements Standard 4, Objective 7-8

- I can explain the effects of light on plant growth
- I can explain the effects of water on plant growth
- I can explain the effects of temperature on plant growth
- I can explain the function of plant growth regulators

I CAN discuss pest management techniques

Floriculture & Greenhouse Management Standard 11

- I can create an integrated pest management program
- I can identify categories of pests
- I can identify different types of pest management
- I can demonstrate safe practices of pest control
- ONGOING: Crop Growth