**PACING GUIDE**

**COURSE:** Horticulture 2 **GRADE(S): 10-12**

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| **MONTH** | **UNIT** | **STANDARDS/SKILLS** | **ASSESSMENTS**  What evidence (formative/summative) is utilized to establish that the content, standards, & skills have been mastered? | **CONTENT**  Topics being covered? What do students need to know? (*nouns*) | **ACTIVITIES**  w/Integration of Technology & Career Ready Practices |
| September | Hort Science | Examine and apply knowledge of basic plant anatomy and physiology, using taxonomy  9.3.12.AG‐PL.1  9.3.12.AG‐PL.2  9.3.12.AG‐PL.3  9.3.12.AG‐PL.4  Apply principles of anatomy and physiology to enhance plant production. | mycaert .com online written assessment   |  | | --- | |  Leaf Anatomy and Morphology Review Worksheet | |  Leaf Anatomy and Morphology Notes Guide | |  Understanding Leaf Anatomy and Morphology Quiz | | * Classifying Ornamental Plants * Student will Identify plants and the cultural requirements for reproduction * Sexual Reproduction of Flowering Plants * Understand Flower Anatomy * Understand leaf anatomy and morphology * Understand Stem Anatomy  |  | | --- | |  | |  | | * PPT Presentation * Small group google slide presentations * Flower and leaf Dissections * Greenhouse Pruning work stations * Hands on Plant care , watering, pruning, fertilizing * Courtyard Lab |
| October | Hort Science | Examine and apply knowledge of basic plant anatomy and physiology, using taxonomy  9.3.12.AG‐PL.1  9.3.12.AG‐PL.2  9Apply principles of anatomy and physiology to enhance plant production. | * mycaert .com online written assessment | * Propagating Plants Sexually * Describe the process of seed germination * Propagating plants by division, separation. And layering * Understanding plant growth regulators | * slide presentations * Flower and leaf Dissections * Greenhouse Pruning work stations * Courtyard Lab |
| November  November  December | Floriculture  Floriculture | Visual Arts  9.3.12.AG‐PL.3  9.3.12.AG‐PL.1  9.3.12.AG‐PL.2  9 Visual Arts | * Mycaert online written assessment * CDE Floral design performance * Mycaert online written assessment * CDE Floral design performance | * Caring for Fresh Flowers and Foliage * Identifying Floral Design Tools and Supplies * Understanding the Principles of Floral Design * Designing Basic Floral Work | * Hands on * Conditioning Fresh cut flowers * Courtyard Lab * Design Centerpieces * Design Holiday Arrangements |
| January | Floriculture | 9.3.12.AG‐PL.1  9.3.12.AG‐PL.2  9 Visual Arts | * Mycaert online written assessment * CDE Floral design performance | * Understanding the Principles of Floral Design * Designing Basic Floral Work | * Designing Vase Arrangements * Student Compete in (CDE) * Pricing Floral Design Work |
| February  March | Hort Science | 9.3.12.AG‐PL.1  9.3.12.AG‐PL.2  9 Visual Arts | * Mycaert online written assessment * CDE Floral design performance | * Propagating Plants Sexually * Understanding the Principles of Floral Design * Designing Basic Floral Work | * Philadelphia Flower Show * NJ State Horticultural Expo |
| April | Hort Science  Animal Science and the Industry | 9.3.12.AG‐PL.1  9.3.12.AG‐PL.2 | * Mycaert online written assessment * Performance Assessment | * Examining Sexual Reproduction of Flowering Plants * The Aquaculture Industry * Organic Production of Fruits and Vegetables | * Greenhouse Aquaponic * Greenhouse Hydroponics |
| May | Hort Science  Animal Science and the Industry | 9.3.12.AG‐PL.1  9.3.12.AG‐PL.2  9 | * Mycaert online written assessment | * The Aquaculture Industry * Organic Production of Fruits and Vegetables | * Greenhouse Aquaponic * Greenhouse Hydroponics FFA Convention |
| June | Nursery, Landscaping, and Gardening  Animal Science and the Industry | 9.3.12.AG‐PL.1  9.3.12.AG‐PL.2 | * Mycaert online written assessment | * The Aquaculture Industry * Organic Production of Fruits and Vegetables | * Greenhouse Aquaponic * Greenhouse Hydroponics |