**PACING GUIDE**

**COURSE:** Horticulture 3 **GRADE(S): 11-12**

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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 | Mechanical Systems and Technology | Demonstrate knowledge of personal and jobsite safety rules  **9.4.12.A.36.**  **2.1.12.D.1.**  propose prevention strategies. | * Mycaert online written assessment * Performance | * **Using Personal Safety in Agricultural Mechanics**   1 Explain how to create a safe place to work.  2 Describe what each safety color means and where it is used.  3 Describe how to select appropriate protective clothing and devices for personal protection.   * Identifying Basic Areas of Agricultural Mechanization   1 .Identify the different areas of agricultural mechanics.  2 Identify careers available in agricultural mechanics.  3 Identify the important physical science areas in agricultural mechanics | PPT Presentation  Small group google slide presentations   |  | | --- | |  Shop Safety E-Unit Directed Reading Worksheet | |  Getting Acquainted with Tools in the Shop | |  | |
| October | Mechanical Systems and Technology | Demonstrate knowledge of personal and jobsite safety rules  **9.4.12.A.36.**  **2.1.12.D.1.**  propose prevention strategies.  Demonstrate knowledge of personal and jobsite safety rules  **9.4.12.A.36.**  **2.1.12.D.1.**  propose prevention strategies. | * Mycaert online written assessment * Performance | * Recognizing the Impact of Technological Advances in Agricultural Mechanics * Explain the early development of mechanical technology in agriculture. * Explain the importance of the internal combustion engine to agriculture. * Discuss the advances in the design and use of agricultural structures and farm electrification. 4 Explain the concepts of precision farming and site specific crop management.   . | * PPT Presentation * Small group google slide presentations |
| November | Systems and Technology | |  | | --- | | **1.3.12.D.**   Visual Arts | | **1.3.12.D.1.** | | * Mycaert online written assessment * Performance | * Analyzing the Residential Landscape * Beginning the Design Process * Designing the Landscape Area * Putting the Plan on Paper | * PPT Presentation * Small group google slide presentations |
| December | Systems and Technology | |  | | --- | | **1.3.12.D.**   Visual Arts | | 1.3.12.D.1. | | * Mycaert online written assessment * Performance | * Applying the Principles of Art to the Landscape * Examine the elements of design. * 2 Apply the principles of design to the landscape. * Choosie Plants for the Landscape | * PPT Presentation * Small group google slide presentations |
| January | Developing Leadership and Communication Skills | 9.4.12.A.34.  teams, work units | * Leading the FFA Chapter * CDE Mycaert online written assessment * Performance * Mycaert online written assessment * Performance * Leading the FFA Chapter * CDE | * Describe the duties and responsibilities of FFA chapter officers. * Explain the characteristics of a good FFA leader and the proper dress for all FFA members. | * Student Compete in (CDE) * Student Compete in (CDE) * PPT Presentation * Small group google slide presentations |
| February | Starting and Operating an Agribusiness  Floriculture | **9.4.12.A.32.**   Describe the nature and types of business organizations | * Mycaert online written assessment * CDE Floral design performance | * Describe characteristics of a sole proprietorship. * List advantages of a sole proprietorship. * List disadvantages of a sole proprietorship * Designing Basic Floral Work | * PPT Presentation * Small group google slide presentations |
| March | Nursery, Landscaping, and Gardening | |  | | --- | | **9.4.12.A(2).**   Agriculture, Food, & Natural Resources Career Cluster: Plant Systems | | **9.4.12.A(2).3.** | | * Mycaert online written assessment * Performance | * Planting and Maintaining a Vegetable Garden * Growing Culinary Herbs | * Philadelphia Flower Show   NJ State Horticultural Expo   * Student Compete in (CDE) * Greenhouse Aquaponic * Greenhouse Hydroponics |
| April | Nursery, Landscaping, and Gardening | |  | | --- | | **9.4.12.A(2).**   Agriculture, Food, & Natural Resources Career Cluster: Plant Systems | | **9.4.12.A(2).3.** | | * Mycaert online written assessment * Performance | * Planting and Maintaining a Vegetable Garden * Growing Culinary Herbs | * Greenhouse Aquaponic * Greenhouse Hydroponics |
| May | Starting and Operating an Agribusiness | **9.4.12.A.2.** | * Mycaert online written assessment * Performance | * Pricing Landscape Maintenance Work * Developing a Marketing Plan | * Greenhouse Aquaponic * Greenhouse Hydroponics * FFA Convention |
| June | Starting and Operating an Agribusiness | |  | | --- | | **9.4.12.A(7).**  Agriculture, Food, & Natural Resources Career Cluster: Agribusiness | | **9.4.12.A(7).1.**  Develop budget | | * Mycaert online written assessment * Performance * Nocti | * Define and describe entrepreneurs and their role in the U.S. economy. * Analyze the entrepreneurial process. * Identify and discuss examples of successful past and current entrepreneurs in the agriculture industry. * Describe the advantages and disadvantages of being an entrepreneur | * PPT Presentation * Small group google slide presentations |