**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 PresentationSmall group google slide presentations

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|  Shop Safety E-Unit Directed Reading Worksheet |
|  Getting Acquainted with Tools in the Shop |
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| 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
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| November | Systems and Technology |

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| **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
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| December | Systems and Technology |

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| **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
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|  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
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| February | Starting and Operating an AgribusinessFloriculture | **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
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| March | Nursery, Landscaping, and Gardening |

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| **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
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| April | Nursery, Landscaping, and Gardening |

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| **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
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| June | Starting and Operating an Agribusiness |

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| **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
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