

General Horticulture & Plant Science Curriculum Map & Timeline

Time	Unit of Instruction	Standard	Assessment
32 days	Introduction to FFA, Ag Education, & Agriculture Lesson 1: Orientation to FFA and Agricultural Education Lesson 2: Supervised Agricultural Experience Programs Lesson 3: Orientation to Agriculture Lesson 4: Safety	AG-GH/PS-1: Becomes oriented to the comprehensive program of agricultural education, learns to work safely in the agricultural lab and work sites, demonstrates selected competencies in leadership through the FFA and agricultural industry organizations, and develops a plan for a supervised agricultural experience (SAE).	Daily Participation Worksheets Unit Test Quizzes Videos Public Speaking
16 days	Introduction to Horticulture Lesson 1: The Horticulture Industry Lesson 2: Careers in Horticulture Lesson 3: Horticulture and the Environment	AG-GH/PS-12: Explore plant science and horticulture careers and opportunities.	Written Report Presentation Quizzes Unit Test
13 days	Plant Structures and Processes Lesson 1: Life Cycles Lesson 2: Classification Lesson 3: Vegetative Structures and Functions Lesson 4: Reproductive Structures and Functions Lesson 5: Growth Processes	AG-GH/PS-2: Identify plant parts, growth, and reproduction processes. AG-GH/PS-11: Identify plant growth processes and factors that affect plant development and growth.	Daily Participation Problem Solving Diagrams Unit Test Group Work
10 days	Plant Propagation Lesson 1: Propagation Methods Lesson 2: Sexual Propagation Lesson 3: Asexual Propagation	AG-GH/PS-3: Discuss the importance of sexual propagation in plants. AG-GH/PS-4: Demonstrate an understanding of the importance of asexual propagation.	Daily Participation Worksheets Unit Test Quizzes Diagrams
16 days	Environmental Requirements for Plant Growth Lesson 1: Soil Materials Lesson 2: Nutrients Lesson 3: Soil pH Lesson 4: Fertilizers	AG-GH/PS-5: Explore the basic principles and uses of soil and plant growth media. AG-GH/PS-6: Identify important plant nutrients. AG-GH/PS-7: Explore the use of fertilization materials and methods.	Daily Participation Worksheets Unit Test Quizzes Group Work

Time	Unit of Instruction	Standard	Assessment
30 days	Pest Management	AG-GH/PS-8:	
	Lesson 1: Insects and Nematodes Lesson 2: Weeds Lesson 3: Diseases Lesson 4: Integrated Pest Management	Define the damage caused by plants by insects, weeds, diseases and physiological disorders.	Daily Participation Worksheets Unit Test Quizzes Videos Group Work News Articles Laboratories
26 days	Introduction to Greenhouse Management	AG-GH/PS-9:	
	Lesson 1: Planting Containers Lesson 2: Irrigation Methods Lesson 3: Plant Identification and Selection Lesson 4: Greenhouse Structures and Practices	Compare and contrast the use of various plant growth containers.	Daily Participation Worksheets Unit Test Group Work Diagrams Laboratories
		AG-GH/PS-10:	
		Describe the use of various plant irrigation methods.	
14 days	Introduction to Leadership and Personal Development	AG-GH/PS-1:	
	Lesson 1: Introduction to Leadership Lesson 2: Leadership Traits and Abilities Lesson 3: Verbal Speech Development and Delivery Lesson 4: Resume Creations Lesson 5: Job Interview	Becomes oriented to the comprehensive program of agricultural education, learns to work safely in the agricultural lab and work sites, demonstrates selected competencies in leadership through the FFA and agricultural industry organizations, and develops a plan for a supervised agricultural experience (SAE).	Daily Participation Worksheets Unit Test Quizzes Laboratories Vocabulary Terms Group Work