

Plant Science

Course Number: 01.46100
Planning: 4th
Instructor: Mr. Reaves
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Prerequisite: None
Phone: (229)903-2260
Room: 712

Units of Instruction: Employability Skills, Safety in the Lab and Work Sites; FFA leadership and the Supervised Agricultural Experience Program (SAEP); Plant Parts, Growth, and Reproduction; Plant Growth and Development; Sexual Reproduction In Plants; Asexual Reproduction In Plants; Basic Principles and Uses of Soil and Plant Growth Media; Identifying Macro, Secondary, and Micro Plant Nutrients; Plant Fertilizers and Fertilizing Methods; Damage caused by Insects, Weeds, and Diseases; Uses Of Various Plant Growing Containers; Plant Irrigation Methods; Plant Science and Horticulture Careers.

Course Standards:

Standard	Description
AFNR-GHPS-1	Demonstrate employability skills required by business and industry.
AFNR-GHPS-2	Learns to work safely in the agriculture lab and work sites, demonstrates selected competencies in leadership through the FFA and agricultural industry organizations, and develop plans for a Supervised and Agriculture Experience Program (SAEP).
AFNR-GHPS-3	Identify plant parts, growth, and reproductive processes.
AFNR-GHPS-4	Identify factors that affect plant development and growth.
AFNR-GHPS-5	Discuss the importance of sexual reproduction in plants.
AFNR-GHPS-6	Discuss the importance of asexual reproduction in plants.
AFNR-GHPS-7	Determine the basic principles and uses of soil and plant growth media.
AFNR-GHPS-8	Identify macro, secondary, and micro plant nutrients.
AFNR-GHPS-9	Explore the use of plant fertilizers and proper fertilizing methods.
AFNR-GHPS-10	Evaluate the damage caused to plants by insects, weeds, diseases, and physiological disorders.
AFNR-GHPS-11	Compare and contrast the use of various plant growth containers.
AFNR-GHPS-12	Describe various plant irrigation methods.
AFNR-GHPS-13	Explore plant science and horticulture careers and opportunities.

Curriculum Pacing Map:

First Semester						
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
1 week	2 weeks	3 weeks	3 weeks	3 weeks	3 weeks	3 weeks
Employability	Work Safety and SAEP	Plant Parts, Growth, and Reproduction	Plant Development and Growth	Sexual Reproduction	Asexual Reproduction	Soil and Plant Growth Media
AFNR-GHPS-1	AFNR-GHPS-2	AFNR-GHPS-3	AFNR-GHPS-4	AFNR-GHPS-5	AFNR-GHPS-6	AFNR-GHPS-7

Second Semester					
Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13
3 weeks	3 weeks	3 weeks	3 weeks	3 weeks	2 weeks
Plant Nutrients	Plant Fertilizers	Damage Caused By Insects	Plant Growth Containers	Irrigation Methods	Horticulture Careers

Curriculum Map

Lee County High School

AFNR- GHPS- 7	AFNR- GHPS- 8	AFNR- GHPS- 9	AFNR- GHPS- 10	AFNR- GHPS- 11	AFNR- GHPS- 12
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