

Horticulture I Syllabus
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Program Description:

Horticulture, Year 1, is designed to introduce the student to the fundamental principles and practices of the Horticulture industry through the study of plant and soil science. Through a variety of lectures and applied labs, the student will be exposed to the factors that are essential for optimum plant growth and will learn how to analyze the growth and development of plants. The course will review many of the agribusinesses associated with plant and soil science and

will stress premier leadership, personal growth, and career development in the Horticulture industry. Upon successful completion of this course the student will be able to:

- Describe five careers in the Horticulture industry
- Explain the binomial system for naming plants and why it is used
- List the major plant parts and their functions
- Explain the environmental conditions necessary for optimum plant growth
- Propagate plants sexually and asexually
- Identify pests and select and apply the appropriate pesticides
- Grow, maintain, and design with interior landscape plants
- Identify and use annuals, perennials, and bulbs in the landscape
- Identify and use groundcovers, vines, shrubs, and trees in the landscape
- Construct various seasonal decorative pieces
- Complete the FFA Greenhand Degree Application
- Complete the FFA Career Development Events
- Demonstrate effective employability skills

9.3 - Career & Technical Education (CTE) - Content Area: 21st Century Life and Careers

9.3.12.AG.1 - Analyze how issues, trends, technologies and public policies impact systems in the Agriculture, Food & Natural Resources Career Cluster

9.3.12.AG.2 - Evaluate the nature and scope of the Agriculture, Food & Natural Career cluster and the role of agriculture, food and natural resources (AFNR) in society and the economy

9.3.12.AG.3 - Examine and summarize the importance of health, safety and environmental management systems in AFNR businesses

9.3.12.AG.4 - Demonstrate stewardship of natural resources in AFNR activities

9.3.12.AG.5 - Describe career opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources Career Pathways

9.2.12.AG.6 - Analyze the interaction among AFNR systems in the production, processing and management of food, fiber and fuel and the sustainable use of natural resources

Career Ready Practices:

CRP1. Act as a responsible and contributing citizen and employee

CRP2. Apply appropriate academic and technical skills

CRP7. Employ valid and reliable research strategies

CRP8. Utilize critical thinking to make sense of problems and persevere in solving them