



SCHOOL DISTRICT OF MONROE

Preparing for the Future, One Child at a Time

Horticulture & Landscape Management

Course Description:

The curriculum for this elective course is developed from [Wisconsin Standards for Agriculture, Food and Natural Resources](#). This semester course is designed to provide students with a practical background in greenhouse management. Students will learn about various forms of plant propagation such as cutting, grafting, and dividing. Basic landscape design will be covered. FFA/Leadership topics will also be discussed. The information in this course overview outlines what students should understand and be able to do by the end of the semester/year.

Mastery Standards:

Student will prepare and implement a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth. (PS2)

Students will propagate, culture, and harvest plants. (PS3)

Student will employ elements of design to enhance and environment. (PS4)

Students will recognize different systems in which plants grow. (PS5)

Unit	Description of Unit and Learning Targets
<p>Unit Title: 1. Nursery, Landscape Careers</p> <p><u>Essential Questions:</u></p> <ul style="list-style-type: none"> Describe five (5) careers in the horticulture industry, including working conditions and education and personal requirements. 	<p>Students will.....</p> <p><u>Learning Targets:</u></p> <ul style="list-style-type: none"> Research one historical figure in the history of landscape design. Explore a career in nursery or landscape design, determine the specifications of the career and present to the class.
<p>Unit Title: 2. Landscape Design Drafting</p> <p><u>Essential Questions:</u></p> <ul style="list-style-type: none"> How is properly using drafting equipment important? 	<p>Students will...</p> <p><u>Learning Targets:</u></p> <ul style="list-style-type: none"> Use drafting equipment Measure and reproduce lines drawn to scale Practice landscape lettering Render symbols used in landscape designing Redraw a house plan footprint in a different scale Reproduce different symbols used in landscape design Reproduce a landscape design plan label
<p>Unit Title: 3. Elements & Principles of Landscape Design</p> <p><u>Essential Questions:</u></p> <ul style="list-style-type: none"> Explain the most important element of landscape design. Explain the most important principle of landscape design. How is color important to landscape design? 	<p>Students will...</p> <p><u>Learning Targets:</u></p> <ul style="list-style-type: none"> Identify and demonstrate the Elements of Landscape Design Identify and demonstrate the Principles of Landscape Design Identify the colors on a color wheel Identify color values: tints, tones, & shades Identify different color harmonies
<p>Unit Title: 4. Planning the Landscape Design</p>	<p>Students will...</p>

<p><u>Essential Questions:</u></p> <ul style="list-style-type: none"> • How does the client preference affect the landscape design that is drafted? 	<p><u>Learning Targets:</u></p> <ul style="list-style-type: none"> • Students will be able to conduct a client evaluation to determine the wants and needs of a potential landscape design client. • Students will be able to create a base map for a landscape design. • Students will be able to conduct a site analysis for a landscape design. • Students will be able to draw a bubble diagram based on information gathered from the site analysis. • Students will be able to create a final design based on the bubble diagram. • Students will be able to create a legend or key for their final design. • Students will be able to add color to the final design. • Students will be able to create a planting plan based on their final plan. • Students will be able to present their final design to the client. • Students will learn the proper and improper way to design a foundation planting. • Students will be able to plan a flower bed design. • Students will be able to identify key elements in the Outdoor Room Concept • Students will be able to identify the Design areas: private, public, play and utility. • Students will be able to select plants and place them in a landscape setting. • Students will be able to plan landscapes to meet Low maintenance criteria.
<p>Unit Title: 5. Maintaining Landscapes</p> <p><u>Essential Questions:</u></p> <ul style="list-style-type: none"> • What are the benefits of trees? • How can you determine the amount of water needed in a landscape? What is needed in your landscape? 	<p>Students will...</p> <p><u>Learning Targets:</u></p> <ul style="list-style-type: none"> • Students will be able to identify design strategies for a low maintenance landscape. • Students will be able to list the benefits of trees. • Students will be able to identify proper pruning cuts. • Students will be able to list the benefits of mulch. • Students will be able to determine the amount of water needed in a landscape. • Students will be able to list the key elements in weeding a landscape. • Students will be able to list the key elements in fertilizing the landscape.