Residential Landscape Establishment and Maintenance

Residential Landscape Establishment and Maintenance is a one-credit course that focuses on the residential landscape industry. Topics include career opportunities, safety, plant nutrition, pest management, plant identification, residential landscape design and maintenance, tool and equipment maintenance, residential landscape business management, and technology.

Content standards for this course are not intended to serve as the entire curriculum. Teachers are encouraged to expand the curriculum beyond the limits of these content standards to accommodate specific community interests and utilize local resources. This course encourages critical thinking, use of the scientific method, integration of technology, development of student leadership skills, and application of knowledge and skills related to practical questions and problems. Safety concepts are integrated into instruction to the maximum extent possible.

Career and technical student organizations are integral, cocurricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Career Opportunities

Students will:

1. Describe job characteristics for career opportunities in the residential landscape industry.

Safety

2. Identify safety precautions in the residential landscape and maintenance industry.

Plant Identification

3. Identify residential landscape plants and turfgrasses by common name.

Designing a Plan

4. Design a residential landscape plan.
   • Choosing plants and turfgrasses for a landscape based upon selected criteria
   • Demonstrating residential landscaping techniques

Tools and Equipment

5. Identify tools and equipment used for the installation and maintenance of a residential landscape.
   • Demonstrating the maintenance of hand tools and small power equipment
6. Utilize skills needed to maintain drainage and irrigation systems.
   - Identifying various sprinklers used in an irrigation system

**Residential Landscape Maintenance**

7. Maintain trees, shrubs, plants, and turfgrasses in a residential landscape.
   Examples: fertilizing, controlling weeds, mowing, edging, weed-eating

**Nutrition**

8. Select types of fertilizers and methods of application used in the residential landscape and maintenance industry.

**Residential Landscape Pest Control**

9. Identify insects, diseases, and weeds that affect residential landscape plants.
   Examples: insects—army worms, grubs, mole crickets
diseases—dollar spot, rusts, fungi
weeds—crabgrass, pigweed

10. Differentiate among various types of pesticides used on residential landscape plants.
    - Describing techniques for preparing pesticide mixtures

**Business Management**

11. Demonstrate appropriate business-related work ethics and managerial skills for a lawn maintenance business.

**Technology**

12. Describe technological advancements in the residential landscape industry.