

SANDY VALLEY HORTICULTURE

Workforce Development Program



Landscape Business Manager, Tree/Plant Nursery Manager, Garden Center Manager, Greenhouse Manager, Gardener, Florist, Orchard Manager: these are just some of the career options in horticulture. Whether you are interested in a horticulture career or simply want to learn how to manage your own garden or landscaping, the Sandy Valley Horticulture program will help you grow your skills and grow your knowledge!

Junior Courses

Plant & Horticulture Science - This first course in the pathway focuses on the knowledge and skills required to research, develop, produce and market agricultural, horticultural, and native plants and plant products. Students will apply principles of plant physiology and anatomy, plant protection and health, reproductive biology in plants, plant nutrition and disorders to the management of soils and plants. Throughout the course, students will learn communication, leadership, and business management skills reflective of the industry.

Greenhouse and Nursery Management - Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

Senior Courses

Landscape Systems Management - Students will learn methods for establishing and managing landscapes to promote growth and balance. The classification and care of woody and herbaceous landscape plants will be learned. Students will learn to optimize growing conditions, balance nutrients, and manage pests and disease. They will apply proper planting, fertilizing, and pruning techniques while safely operating well maintained specialized equipment. Throughout the course, students will assess implications of landscape installation on the environment, and employ communication, business, and management strategies.

Turf Science & Management - Students will apply principles of science, engineering, and business to support the establishment and maintenance of residential, athletic and recreational turf. Students will learn techniques for the establishment, care, production, and marketing of turf grass along with safe operation and maintenance of specialized equipment. Throughout the course, environmental awareness and conservation practices will be emphasized along with communication, business, and management strategies appropriate for the industry.



Student Organization: Sandy Valley FFA – Chapter #OH0458.

Students will have the opportunity to participate in FFA activities, competitions, and networking opportunities.

Industry Credential: Ohio Certified Nursery Technician (Ohio Nursery & Landscape Association)