

Troy High School Agricultural Education

Horticulture Course Syllabus

Course Description

Horticulture is a hands-on Career and Technical Education (CTE) course that introduces students to the science and art of growing plants. Students will explore plant identification, plant growth, greenhouse management, soils, landscape design, floral design, turfgrass, and career opportunities through classroom instruction, laboratory activities, and greenhouse experiences.

Course Objectives

- Explain the importance of horticulture in agriculture and everyday life.
- Identify common horticultural plants and their uses.
- Understand plant anatomy, growth, and reproduction.
- Demonstrate proper greenhouse and nursery practices.
- Apply principles of soil science and plant nutrition.
- Practice safe use of horticultural tools and equipment.
- Design and maintain landscapes and plant projects.
- Demonstrate professionalism, teamwork, and responsibility.

Major Units

- Introduction to Horticulture
- Plant Anatomy and Physiology
- Plant Identification
- Soils and Plant Nutrition
- Plant Propagation
- Greenhouse Management
- Landscape Design
- Floriculture
- Pest and Disease Management
- Careers in Horticulture

Classroom Expectations

- Arrive on time and prepared each day.
- Participate actively in classroom, greenhouse, and lab activities.
- Respect classmates, instructors, plants, and equipment.
- Follow all classroom, greenhouse, and laboratory safety procedures.
- Keep cell phones put away unless permission is given.
- Complete assignments and projects on time.
- Clean and organize work areas before leaving.

Laboratory & Greenhouse Safety

- Follow all instructor directions.
- Use tools and equipment safely.
- Wear appropriate clothing and closed-toe shoes when required.
- Handle plants and materials responsibly.
- Report accidents, injuries, or damaged equipment immediately.
- Maintain a clean and organized workspace.

Required Materials

- Notebook or binder
- Pencil or pen
- Chromebook or school-issued device (when available)
- Folder for handouts
- Closed-toe shoes for greenhouse/lab activities

Parent/Guardian Communication

Parents and guardians are encouraged to contact Ms. Bruce with questions regarding student progress or course expectations.

Student Acknowledgment

I have read and understand the Horticulture syllabus and agree to follow all classroom, greenhouse, and laboratory expectations.

Student Name: _____

Student Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____