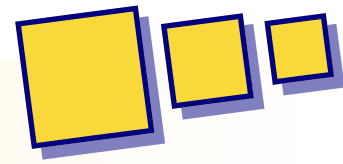


Horticulture



About the Course

Horticulture is the cultivation of an orchard or a garden. The courses begin with basic horticulture science that studies the basic parts of a plant, the functions of the plant parts and their requirements for proper growth. Another topic in the area of horticulture includes greenhouse management, which include the development of potted, hanging and seasonal bedding plants. Further topics include nursery production, landscape design and management and turf production.

tions of the plant parts and their requirements for proper growth. Another topic in the area of horticulture includes greenhouse management, which include the development of potted, hanging and seasonal bedding plants. Further topics include nursery production, landscape design and management and turf production.



What students will learn...

Basic Topics

- ◆ Plant parts and functions
- ◆ Nutrient requirements
- ◆ Plant propagation
- ◆ Greenhouse structures
- ◆ Crop production
- ◆ Landscape maintenance
- ◆ Landscape design
- ◆ Plant identification
- ◆ Soil science
- ◆ Disease Control
- ◆ Insect Control
- ◆ Weed Control
- ◆ Basic Drafting
- ◆ Prune Landscape
- ◆ Plant Material

Advanced Topics

- ◆ Greenhouse structures
- ◆ Greenhouse controls
- ◆ Calculating cost
- ◆ Marketing
- ◆ Developing a business plan
- ◆ Floral Design
- ◆ Irrigation Systems
- ◆ Repair / Service of Small Engines
- ◆ Parts & Functions of Small Engines
- ◆ Managing Turf Crops
- ◆ Propagation of Sod

Learning By Doing...

Students have an opportunity to learn by doing. Students put into practice what they learn in the classroom, the greenhouses, the plant nursery and even the entire school campus grounds. Students are also encouraged to add to their learning experiences by having projects related to their classroom experiences and the participate in club activities that relate to horticulture and leadership through the FFA (Future Farmers of America) student club.



Horticulture

Prerequisites

This course is open to all high school students in the 10th grade or higher. Students must have completed at least one credit in mathematics and one credit in English.

Helpful Courses

Biology
Basic math

Completion Incentives

Rewarding job opportunities.

Personal Characteristics

Enjoy working outside
Interested in plant growth and development
Enjoy working with people
High school diploma-college degree

Salary Information

The following are estimated averages

Biologist	61,200 /yr
Landscape Architect	63,000 /yr
Agricultural Engineers	55,850 /yr

Ground Maintenance Workers	29,000 /yr
Tree Trimmers and Pruners	23,000 /yr
Ground Maintenance Workers	29,000 /yr
Landscaping & Grounds Keeping	17,000 /yr
Pesticide Handler	23,000 /yr

Small Engine Mechanic	25,000 /yr
Landscape Construction	23,000 /yr

Work Based Opportunities

The purpose of this part of Horticulture is to build upon the previous courses by challenging students to explore career opportunities and dig deeper into more specific career choices.

Students are encouraged to:

- Visit potential employers
- Job shadow
- Work in an environment related directly to Horticulture.

Career Opportunities

- ◆ Greens keeper
- ◆ Landscape maintenance
- ◆ Greenhouse worker
- ◆ Floral design shop
- ◆ Park employee
- ◆ Grounds keeper
- ◆ Garden center employee
- ◆ Nursery worker
- ◆ Research
- ◆ Education

Co-Curricular School Activities

- ◆ FFA- Future Farmers of America

A national organization of, for and by students enrolled in agriculture classes. It gives students an opportunity to develop leadership and job skills through club activities on the regional, state and national level competitions.

- ◆ Student dues \$10.00.



**Carroll County
Schools**

<http://carrollcountyschools.com>