

CFISD Horticulture Science

Scope and Sequence

Course Description:

This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Landscape design, turf maintenance, plant nutrition, plant use and identification, plant chemical uses and precautions are introduced along with tools and equipment used in the industry.

- ◆ 1 credit, Grades 10-12
- ◆ Required prerequisite (or concurrent) for 10th graders: Principles of Agriculture, Food, and Natural Resources
- ◆ Lab supplies or fee may be required.

TEKS

Cluster: Agriculture, Food, and Natural Resources

Endorsement: Business & Industry

- Meets advanced course requirement (Y/N): N
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): N

Industry Certification/Credentials: [n/a](#)

Instructional Units	Pacing
1st Semester Supervised agricultural experience The Horticulture Industry Horticulture careers, skills, and best management practices Soil Roots, Stems, & Leaves	1st grading period
Monocots, Dicots, & Angiosperms Plant ID Plant Processes Photosynthesis Respiration Transpiration	2nd grading period
2nd Semester Nutrition Growing Conditions Moisture Light Temperature	3rd grading period
Reproduction & Propagation Flowers Fruit Pollinators, Pests, & Diseases Landscape & Turf Management	4th grading period

Primary Instructional Materials: Horticulture Today by Goodheart-Willcox Company