

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

Primary Instructional Materials: Horticulture Today by Goodheart-Willcox Company