

## CFISD Greenhouse Operation & Production

### Scope and Sequence

**Course Description:**

This course is designed to develop an understanding of greenhouse production techniques and practices. Students will gain an understanding of common horticulture management practices as they relate to food and ornamental plant production. 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): Principles of AFNR for 10<sup>th</sup> graders
- ◆ Lab supplies or fee may be required.

[TEKS](#)

Program of Study: Plant Science

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
<b>1<sup>st</sup> Semester</b> Introduction to Greenhouse Production FFA/SAE Greenhouse Production Industry Greenhouse Structure and Construction Greenhouse Environment and Controls	1 <sup>st</sup> Grading Period
Greenhouse Environment and Controls Soil and Growing Medium Plant Anatomy Plant Classification	2 <sup>nd</sup> Grading Period
<b>2<sup>nd</sup> Semester</b> Plant Processes Crop Production Plant Nutrition Pest Diseases Reproduction & Propagation	3 <sup>rd</sup> Grading Period
Reproduction & Propagation Specialty Production Systems	4 <sup>th</sup> Grading Period