

CFISD Advanced Plant and Soil Science K

Scope and Sequence

Course Description:

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. In this course, students will analyze such concepts as impact on production of food, fiber and other economic crops; factors within habitats and ecosystems; watershed, weathering, and erosion; along with origin and impact of fossil fuels and alternative energy sources.

- 1 credit, Grades 11-12
- Required prerequisite: Biology, Chemistry and Horticulture Science
- Fees may be required.

TEKS

Cluster: Agriculture, Food, and Natural Resources

Endorsement: Business & Industry

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

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

Instructional Units	Pacing
1 st Semester Introduction to Plant Science Mineral Soils	1 st Grading Period
Soilless Systems Anatomy and Physiology	2 nd Grading Period
2 nd Semester Taxonomy The Growing Environment Plant Reproduction	3 rd Grading Period
Surviving a Harsh Environment Crop Production and Marketing	4 th Grading Period

Primary Instructional Materials: [iCEV Agricultural Science Site](#) by CEV Multimedia Ltd.