Ornamental Horticulture Pathway
Agriculture and Natural Resources

CHICO HIGH SCHOOL

CTE Course Sequence

![Horticulture 1](Image)

![Environmental Horticulture Science](Image)

Course Descriptions

**Horticulture 1 (Concentrator)**
This year-long course covers the basic principles of plant science in agriculture as viewed by both the farmer and the consumer. Hands-on learning includes plant organs and their functions, introduction to reproduction and genetics, weeds, insects and other pests, soils and fertilizers, chemical application and safety. All students will be able to work in the school greenhouses to gain practical experience growing plants for themselves. FFA projects and record books are utilized. This course meets the district Life Science requirement.

**Environmental Horticulture Science (Capstone)**
This year-long course is open to students who have successfully completed Plant and Soil Science. Students learn about greenhouse crop production through hands-on work and projects in the school greenhouse. Each student will learn to grow and raise horticulture crops with daily lab work and practical applications to life science. Crop planning, reproduction, propagation, nutrition, weeds, pests and diseases will be covered. Students will learn about nursery laws and regulations as well as hydroponics, and will have the opportunity to raise plants for themselves and participate in plant sales to the public. FFA projects and record books are utilized. Students who successfully complete this course are eligible to receive Butte College credit. This course meets the district Life Science requirement.

Career Technical Student Organization: FFA
Students in all Agriculture Pathways are part of FFA: a student Leadership organization, which provides various opportunities to students both in and outside of school.

LOCAL POST-SECONDARY OPTIONS:
- **Butte College**
  - AS in Environmental Horticulture
  - AS (Transfer) in Plant Science
  - AS in Agriculture Science
  - Certificate: Environmental Horticulture
  - Certificate: Plant Protection
- **CSU, Chico**
  - BS in Agriculture Business
  - Option in Crops, Horticulture, & Land Resource Management
  - Option in Ag Science & Ed.

HIGHLIGHTED CAREERS:
- Farm / Ranch Manager
- Soil / Plant Scientist
- Nursery Production
- Landscaping
- Researcher
- Turfgrass Manager

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