Course Sequence

Horticulture I  →  Environmental Horticulture Science

Course Descriptions

**Horticulture I (Concentrator)  *A-G “G” Integrated Science**
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. Throughout the course, students will participate in FFA activities and will develop and maintain an ongoing Supervised Agricultural Experience. This course meets the district Life Science/Physical requirement.

**Environmental Horticulture (Capstone) *A-G “G” Integrated Science**
Prerequisite: Horticulture I
This year-long course is open to students who have successfully completed Plant and Soil Science. Students learn about greenhouse crop production and management 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. Greenhouse management including but not limited to crop planning, propagation, and nutrition will be covered. Students will learn about nursery laws and regulations, hydroponics, irrigation, and participate in plant sales to the public. Throughout the course, students will participate in FFA activities and will develop and maintain an ongoing Supervised Agricultural Experience. This course meets the district Life Science/Physical 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
  - Option in Crops, Horticulture, & Land Resource Management
  - Option in Ag Science & Education

Highlighted Careers:
- Soil/Plant Scientist
- Greenhouse Manager
- Landscape Designer
- Arborist
- Hydrologist
- Agronomist
- Horticulturist
- Athletic Turf Manager
- Pest Control Advisor
- Entomologist

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