

Agriculture Courses

Available for Sophomores, Juniors & Seniors

to infinity and



Templeton High School FFA

Career Technical Education (CTE) Pathways

CTE pathways are academic programs that teaches students hands-on skills that they can carry with them throughout their professional careers. The courses taken are require to be taken in sequence.

The pathway programs are:

- Animal Science
- Welding
- Ornamental Horticulture (OH)



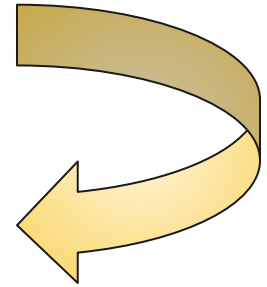
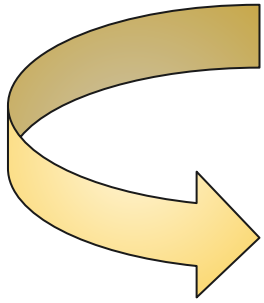


Animal Science Pathway

1: Intro to Animal Science

2: Small Animal Care and Management

3: Veterinary Science



A-G (g) Elective

Intro to Animal Science

This course covers large animal industry. Topics include tools, breeds, feeding, and meat and dairy products. This class often utilizes the school farm as a learning tool.

- Hands-on experience handling and managing large animals include:
 - Swine
 - Equine
 - Beef Cattle
 - Dairy Products
 - Sheep and Goats
 - Poultry
 - Zoo
 - Wildlife

An equine lab where students learned how to use a weight tape and measure height in hands. Rectal palpation of a cow.



A-G (g) Elective

Small Animal Care and Management

This course covers small animal science. Topics include breeds, feeding, small animal industry, reproduction and general CPR and emergency care for canines and felines. There are many guest speakers and labs to cover each species.

- Cats
- Dogs
- Reptiles
- Aquatics
- Hamsters
- Ferrets
- Guinea Pigs
- Rabbits
- Amphibians

*Pre-req: Intro to Animal Science

Students learning the basics of Canine CPR. Kitty Litter Lab.



A-G (d) Elective:
HARD SCIENCE

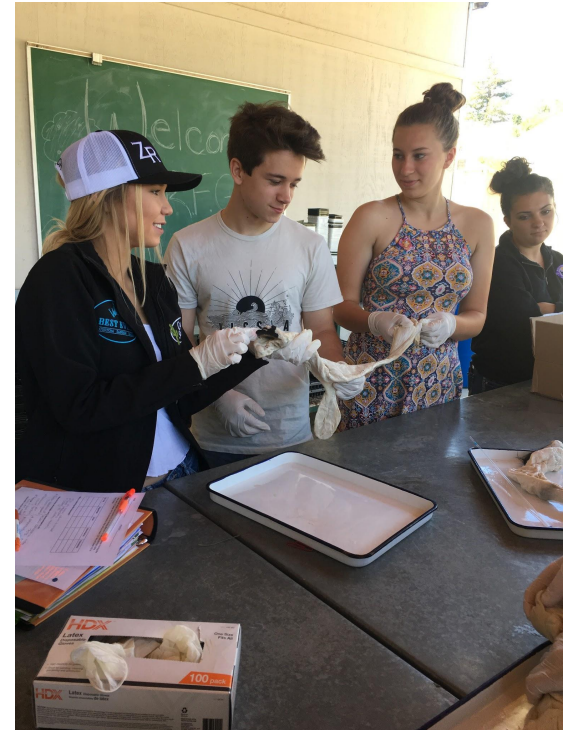
CTE Veterinary Science

Veterinary science is the capstone course in the Animal Science Pathway. This course covers animal anatomy and physiology and dives into veterinary medicine with diagnosis and treatment of disease. Students learn skills such as sutures and handling animals for examinations.

- Anatomy and Physiology
- Veterinary Procedures
- Diagnosis and Care
- Pest and Parasite ID

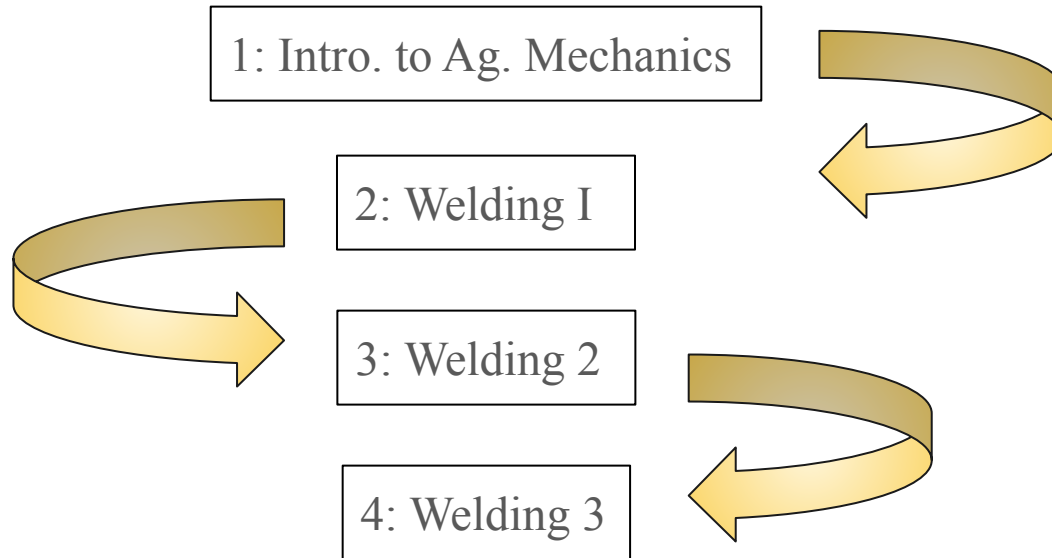
*Pre-req: Small Animal Care and Management

Students ID Bovine Reproductive Tracts and learn Artificial Insemination





Welding Pathway



Welding I/II/III

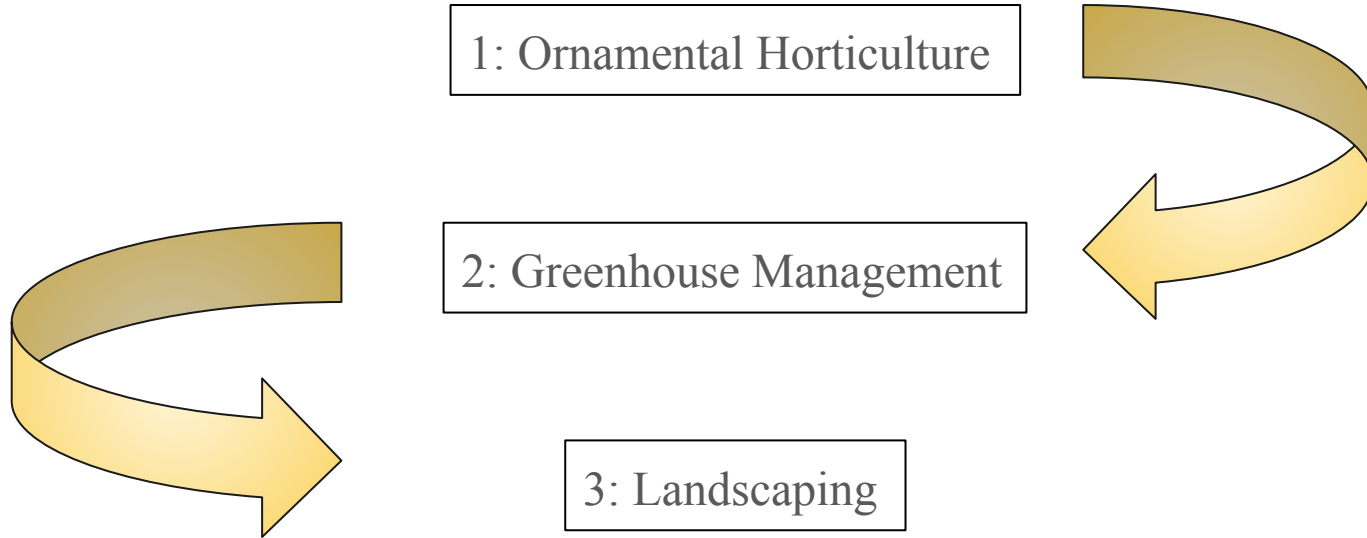
This course covers basic welding processes in first semester and gives students the opportunity to build projects during the second semester. Each course builds on fabrication skills.

- **Cuesta Dual Enrollment**
- MIG/ TIG/ ARC/ Oxy-fuel
- Enter projects and welds into the fair
- Welding Team Opportunities
- Welding Certifications





Ornamental Horticulture Pathway



Ornamental Horticulture

This course covers the basics of plant science. Topics include soil science, plant anatomy and physiology, plant identification and horticulture industry.

- Hands-on:
 - Seeding
 - Propagation
 - Transplanting
 - Disease and Pests

Students in OH preparing for a semi-annual plant sale.



Greenhouse Management

This course offers the serious horticulture student an in depth study of greenhouse management practices. Structural considerations such as design, heating, cooling, and irrigation will be covered, as well as plant propagation techniques, specific scheduling of greenhouse grown crops, pesticide use, and marketing strategies. The student will receive ample opportunity to practice the skills learned during the course.

- Crop Scheduling
- Growing Vegetables and Flowers
- Marketing Greenhouse Products
- Crops and Annual Plants



Landscaping

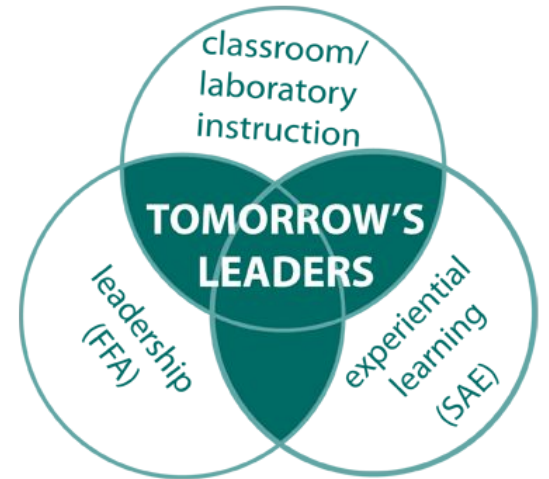
This course will enable students to gain basic knowledge of the landscaping industry and prepare them for entry-level positions in the workforce.

- Certifications
- Equipment Operation and Maintenance
- Design and Installation



Other Ag Courses

- CAD I/II/III
- Art and History of Floral Design (Fine Art - CSU/UC)
- Ag. Leadership (by application)
- School Farm Management
- Intro to Ag Mechanics



Intro to Ag Mechanics

This class consists of two major units of wood and metal working. The course also covers units in electrical, plumbing, safety, and concrete. The second semester is dedicated to building a project of your choice.

- Wood Basics
- Welding Basics
- Project Auction
- Electrical
- Plumbing

Students building shelves out of recycled pallets.



School Farm Management

Students will observe, problem solve and work through all the various aspects of our school farm operation. Work will include tractor operation, pen cleaning, concrete work, wood work, painting, lubrication and maintenance of farm equipment, greenhouse work, fence building and similar duties. This course is designed to put into practical application those skills discussed or demonstrated in other Vo-Ag classes. Also included are record keeping and leadership training instruction.

- Designing Animal Pens
- Currently working on Greenhouse

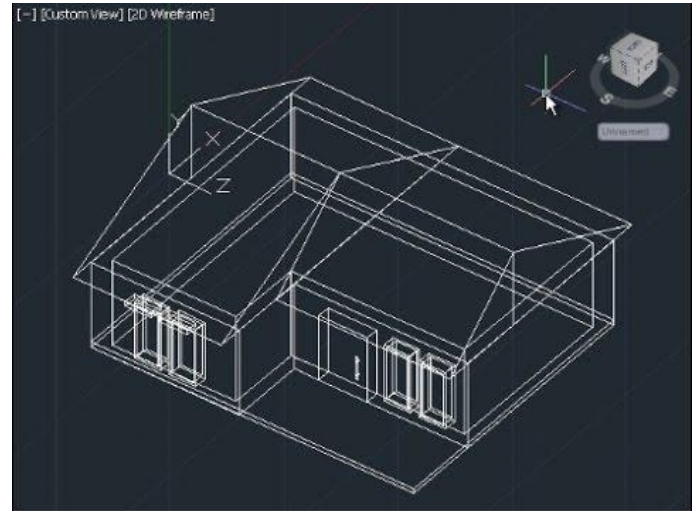
Students installing the new vineyard located at the school farm.



CAD I/II/III

Computer Automated Drafting. Students learn about drafting floor plans, buildings, and can utilize these skills to create CAD drawings for metal and wood projects.

- Learn AutoCAD
- Prepare for Architectural and Engineering Careers
- **Cuesta Dual-Enrollment Credit**
- Fair Entries



Ag. Leadership

Agriculture Leadership serves as the behind the scenes course for developing our FFA program. Students are involved in public speaking, committee work, community service, and SAE.

- Plan and carry-out FFA Meetings
- Develop Speaking Skills
 - LDE Team Requirement
- Organize Community Service and Fundraising Events
- Build your resume with FFA Competitions
- Work with FFA Officers



County of San Luis Obispo
Department of Social Services



December 15 • 🌐

Thank you to **Templeton FFA** for adopting a Social Worker and donating gifts to children on their caseload this Christmas! We are so lucky to have such active FFA'ers in our communities!

You will make such a difference in the holiday memories of kids in our community this season!
#templetonfaa #faa #slodss #slocodss #toysforkids #holidayspirit #holidaygiving



Art and History of Floral Design

Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design.

UC/CSU A-G (f) visual and performing arts

- History of Floral Design
- Marketing and Retail Business
- Art and Design
 - Floral Arrangements
 - Principles of Design
 - Elements of Design
 - Seasonal Arrangements

Students create a table centerpiece for semester one final.



Benefits of Being Enrolled in Ag. Courses

- Being a member of the FFA
- Project Auction
- FFA Meetings
- BBQ's/Ice Cream Socials
- Exhibiting livestock and projects at the fair
- Dual Enrollment classes with Cuesta College
- Career Development Events
- Attending conferences



A-G (d) CP Science



Agriculture Biology



Wood Shop

This course introduces students to the use of basic woodworking tools and machines. The course emphasizes safety in the use of tools and materials and develops appreciation of good design and craftsmanship.

- Woodworking Basics
- Projects during Second Semester
- Fair Projects

Arbor swing built in the Templeton woodshop for the 2017 Project Auction.



A-G (g) Elective

Viticulture

Viticulture (grape-growing) is a college-prep science elective class that prepares students for further studies and employment in the viticulture and winemaking industry. The course equips them with the knowledge and skills necessary to succeed in college and in the wineries as extensions of the classroom. Students will learn about the emerging careers in viticulture and enology that will enrich and ensure the sustainability of our area's main agriculture industry in the future.

- Vineyard layout and Installation
- Pruning Grape Vines
- Intro to Winemaking
- Industry Tours



Pictured: Class field trip to Opolo Winery.