

www.CTEOnline.org

Connecting Career Technical Education Programs & Professionals

Free access to new tools for developing and sharing model courses, lessons and resources.

CTE Online is a curriculum development community that stresses content and standards alignment *and* provides explicit guides for teachers on how to deliver that content in their classroom.

A Different Kind of CTE Resource

CTE Online is very different from other CTE curriculum collections because it is community driven—by the teacher and leadership teams that use it.

CTE educators have already created more than 800 lessons in 22 model courses which are available online and ready for use in your own classroom and CTE program.



CTE Online
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New to CTE Online?
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CTE Online is your single destination for model curriculum, resources, tools and community.
Sign up for a free account.

Find Model Curriculum
Looking for curriculum and resources fast? Search our database for relevant information. [Create a free account](#) to gain access to all industry tools and courses.

Keyword Industry Search

Agriculture & Natural Resources

- Agricultural Business
- Agricultural Mechanics
- Agriscience
- Animal Science
- Forestry and Natural Resources
- Ornamental Horticulture
- Plant and Soil Science

Media & Entertainment
ng Trades and Construction
on, Child Development, and Family Services

FEATURED EVENT
Tier 2 Training San Bernardino
October 7
[Learn more >](#)
Tier 2 Petaluma City Schools: Oct. 9
Long Beach Tier 1: Oct. 12
CTE/CTE Online Coordination Meeting: 19
[View all upcoming events >](#)

BUTTE COUNTY OFFICE OF EDUCATION
FEATURED GROUP Get Connected
Groups allow you to share resources, participate in discussions and collaborate with other CTE educators throughout the state. Groups are a great way to stay connected to the people you share with most. [Search for groups >](#)

Find Your Sample Program of Study
A *Program of Study* is a planned sequence of courses that integrates high quality core academic knowledge with technical and occupational skills and knowledge to provide secondary CTE students with a pathway to postsecondary CTE education and career goals.
[View sample programs of study >](#)

Every lesson contains all of the worksheets, video clips, PowerPoint presentations, and other resources that you need in order to use in your own classroom.



Visit <http://cteonline.org> to sign up for a free account.

Featured Educators, Courses, and Lesson Plans



Metals 1 and 2 Model

FEATURED LESSONS:



First Day of Class Scavenger Hunt by *Christian Kinsey*



Small Metal Hammer by *Lance Gunnerson*



Engineering Design 1 Model

FEATURED LESSONS:



Straw Bridge Challenge by *Nancy Brown*



Auxiliary View Layout by *Arnold Ruskin*



Agriscience/Intro to Ag Model

FEATURED LESSONS:



Classes of Nutrients by *Amanda Samons*



California Commodities by *Austin Large*



Advanced Automotive Technology Model

FEATURED LESSONS:



Tool Safety by *Ken Hamel*



Ignition System Service by *Curt Erales*

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CTE Industries Create New Curriculum My Curriculum All Curriculum

Course: Intro to Ag Mechanics Model

Units in this Course

- 1 FFA Issues and Opportunities
- 1 Supervised Agricultural Experiences
- 1 The California Agricultural Record Book
- 1 Careers in Agricultural Mechanics
- 1 Personal and Group Safety
- 1 Basic Agricultural Woodworking
- 1 Basic Agricultural Electricity and Wiring
- 1 Plumbing Systems in Agriculture
- 1 Agricultural Cold Metal Processes
- 1 Agricultural Concrete and Masonry Practices
- 1 Oxy-fuel Cutting and Welding
- 1 Electric Arc Welding Processes
- 1 Small Engines
- 1 Land Measurement
- 1 Projects

COURSE INDUSTRY SECTOR
Agriculture and Natural Resources

COURSE ORIGINALLY CREATED BY CTE ONLINE
Intro to Ag Mechanics Model

Course Overview / Details

Intro to Ag Mechanics prepares students for careers related to the construction, operation, and maintenance of equipment used by the agriculture industry. Topics will include safety, woodworking, electrical systems, plumbing, cold metal work, concrete, and welding technology.

Industry Sector, Pathway(s), and Grade Levels

Grades: 9 to 12
Industries and Pathways: Agricultural Mechanics, Agriculture & Natural Resources.

CTE Course Certification Elements

Course Level: Introductory	Board Approval: No
CBEDS Course: Agriculture Mechanics	Labor Market Demand: Unknown
CBEDS #: 4030	Is this course industry certified?: No
Total Hours: 180	Course Type: Career-Technical Preparation
Course Length: 2 Semesters	CSU/UC Approval: No
State Certified: No	

Related Occupations

Please Refer to O*Net Occupations Listing Above.

Standards

- California Career and Technical Education Standards: [83](#)
- California Academic Content Standards: Reinforced: [23](#)
- [All Standards](#)
- [Full Details](#)

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Collaborate with Your Peers in the CTE Online Professional Learning Communities

CTE Online brings educators together, providing a space to gather, share resources, and engage in dialog around topics of interest.

Explore, join, and even create your own groups in the CTE Online community.

Once you are a part of a group, you can view other group member's profiles, recommend resources to the group, and participate in discussion forums.

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CTE Online was developed by Butte County Office of Education's **Center for the Advancement of Digital Resources in Education (CADRE)**. CTE Online is one of many exemplary SB 70 Projects funded by the California Department of Education.