



TTUSD CTE

Strategic Planning Update

January 10, 2024

CTE Acronyms and definitions

Career Technical Education

STEM: Science, Technology,
Engineering & Math- a focus

CTE: Career Technical Education

STEM & CTE:

CTE meaningfully integrates technical, academic, and career focused knowledge and skills that provide students with opportunities to explore careers and foster cross-disciplinary skills through project and problem based learning.

STEM learning focuses on the four main content areas listed above and recognizes the importance of inquiry, investigation, and innovation.

SEL

What was your first job and/or what was your first dream job?



Strategic Plan Roadmap



Strategic Plan Roadmap

Engage and empower students, educators, and staff to achieve their potential.

Three Areas of Strategic Focus

Supported by nine priorities and 23 actions for the 2023-2024 school year

Academic Achievement

Provide effective, evidence-based instruction for all students to pursue pathways of personal interest and earn a high school diploma.

Support Systems

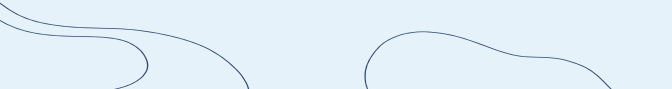
Address the needs of our learners through continued enhancements to safety and wellness programs, counseling, resources for academic achievement, effective learning environments, facilities, and infrastructure for students, educators, and staff.

Community Connections

Proactively support belonging and inclusion for all students, families, educators, and staff and continue to develop strong community connections to each other and to the valuable and precious resources in the Tahoe-Truckee region.

2026 TTUSD CTE Vision

Offer all students (PreK-12) **opportunities to explore** areas of academic and personal interests, including enhancement of current educational programs that prepare students for **college, career, technical, trade, and workforce readiness.**



2023-2024 Action Plan

Focus Area 1: Academic Achievement	Priority: 1.3 Offer all students (PreK-12) opportunities to explore areas of academic and personal interests, including enhancement of current educational programs that prepare students for college, career, technical, trade, and workforce readiness.
Action: 1.3.1 Focus cross district high school teacher collaboration on Career Technical Education/College Career Indicators/Work Based Learning opportunities.	
Action: 1.3.2 Create a Career Technical Education district sub-committee to conduct a needs assessment of current CTE offerings and explore future K-12 opportunities.	
Focus Area 3: Community Connections	Priority: 3.3 Expand community partnerships to support student learning and expand opportunities for community- based educational partnerships, immersion in our natural environment, internships, and outdoor education in the area.
Action: 3.3.3 Expand access to work-based internships.	

In addition, provide support, courses, and pathways to students that are thinking about taking paths of CTE/Work experience rather than a 2 or 4-year college.

Team Leads:

Shaun Roderick, Director of Educational Services

- ★ After teaching preschool and elementary school for over a decade, I was invited to take over the Child Development Pathway at Middletown High School. I transitioned from the classroom to administration and became the administrator for all Career and Technical Education (CTE) programs in the Lakeport Unified School District, before moving to TTUSD.

Yvette Herrera, Teacher on Special Assignment

- ★ Both parents are CTE trade workers, inspired by their high school pathways. I graduated high school as a CTE pathway completer, which inspired and led to my undergraduate degree in the CTE sciences. I later taught a myriad of CTE courses, grew a successful CTE program, and was a Student Leadership Organization (FFA) leader and advisor.



TTUSD CTE: Celebrations

- Aligned CTE Model Curriculum
- CTE courses are sequential with a clear pathway
- CTE teachers are qualified and experienced
- The CTE environments are accessible to all students in all pathways.
- Some community Work Based Learning opportunities

CTE conference

Nov 16-17, 2023

Takeaways:

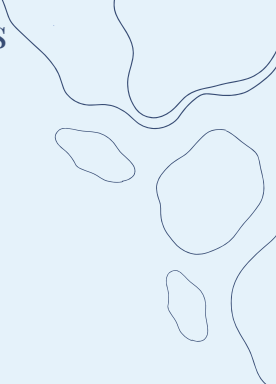
- ★ CTE growth throughout the state
- ★ TTUSD has exemplar programs
- ★ Strong community relationships
- ★ We are not alone in the development of Work-Based Learning opportunities



TTUSD CTE Pathways

High School:

- Product Innovation & Design (THS)
- Emergency Response (THS)
- Sports Medicine (NTHS)
- Engineering Technology (THS & NTHS)
- Food & Hospitality (THS & NTHS)
- Welding & Fabrication (THS)



TTUSD Enrichment Opportunities

Middle School:

- Technology/Computer Science
- Robotics
- Coding
- Multimedia Production
- Engineering Technology
- Electronics & Circuitry
- Digital Art & Design

Elementary School:

- Photography
- Theater
- Cooking
- Art
- Coding



Sample Articulation of a CTE Pathway & Integration of Multiple Industries

Elementary School:

- STEAM Enrichment Classes
- Clay Club
- Lego
- Tinkerlab



Middle School:

- Design Thinking
- Measurements
- CNC Router
- 3D Printing



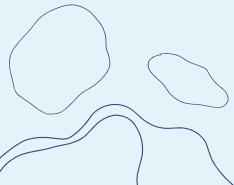
High School Gone Boarding Pathway:

- Gone Boarding 1 (Intermediate Level)
- Gone Boarding 2 (Capstone Level)

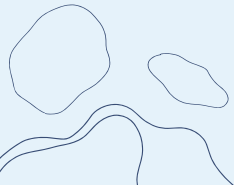


Career Opportunities

- Mechanical Engineer
- Architect
- Prototyping specialist
- Aerospace Engineer



Sample Articulation of a CTE Pathway & Integration of Multiple Industries



Elementary School:

- STEAM



Middle School:

- AVID (Advancement Via Individual Determination)
- NGSS Science Standards



High School Medical Pathway:

- Sports Medicine 1 (Intermediate Level)
- Sports Medicine 2 (Capstone Level)
- EMR 1 (Intermediate Level)
- SCC Capstone Course



Career Opportunities

- Emergency Medical Responder
- Athletic Trainer
- Registered Nurse
- Physician

Honoring Student Voices & Interests

“Gone Boarding helped me realize that I want to pursue an entrepreneurial career path. In a way, we were the managers of our projects and boards throughout the semester and I really enjoyed having that freedom. I hope that the brand/company I build someday allows me to be as creative as I was in GB and is in the board sports or outdoor recreation industry.”

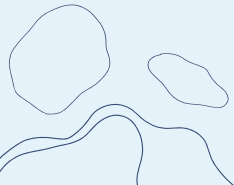
“While I didn’t end up in a particularly creative or hands on field, I do think the skills that I gained in GB helped lead me to the career that I am in. I have always been an organized person interested in some sort of management role, and GB helped me develop these skills. It is unique in a school setting to be able to experience a larger project from start to finish, as opposed to a traditional units and sections of a class. I am now working in operations strategy as a project manager, and can partially attribute my passion for projects to GB!”

Future Articulation TK-12

CTE High School Pathway	Hard skills it covers	Soft Skills it covers	What trades relate	Future WBL/Internships	MS CTE offerings that align	ES CTE offerings that align	Community Members and for what level
Product Design and Manufacturing (Gone Boarding)	Operating industrial machinery	Communication Critical Thinking Creativity Measurements Computer Skills k-2 Mentoring little buddies	- Graphic Design Production - Machine tooling and forming - Production Innovation and Design		Design Thinking CNC Router Measurements	Math STEAM Clay Club Tinker Lab	Contractors Association of Tuckee Tahoe
Food and Hospitality	Use of Knives Operating industrial equipment	Mentoring Communication Creativity Reliability Teamwork Farm to Fork Kitchen Safety k-2 Mentoring little buddies Commodities Farm to Fork	- Food Science - Nutrition - Food Service - Hospitality - Tourism - Recreational		STEM/STEAM Exploration	School Gardens Harvest of the Month Cooking	RMU Old Town Tap Jax

Community Members

CCI from CA Dashboard and TTUSD CTE Alignment



College/Career:

The percent of students “prepared” in the Class of 2023.

All Students



58.8% prepared

Number of Students: 340

White



69.5% prepared

Number of Students: 187

Hispanic



42% prepared

Number of Students: 131

Students with Disabilities



16.7% prepared

Number of Students: 48

Socioeconomically Disadvantaged



42.4% prepared

Number of Students: 158

English Learners



13.6% prepared

Number of Students: 22

CTE & CCR Connections



California School
DASHBOARD

Understanding the College/Career Readiness Measure: Prepared

The College/Career Indicator includes measures on how well local educational agencies (LEAs) and schools are preparing students for likely success after graduation. Graduates classified as **Prepared** on this state measure must meet at least one of the criteria in the **Prepared** level.

1

Smarter Balanced Summative Assessments

Score of Level 3
"Standard Met" or
higher on both English
language arts/literacy
(ELA) and mathematics

2

Advanced Placement (AP) Exams

Score of 3
or higher
on two AP
exams

3

International Baccalaureate (IB) Exams

Score of 4 or
higher on two
IB exams

4

College Credit Courses

Two semesters, three
quarters, or three trimesters
of college coursework with
a grade of C- or better in
academic/Career Technical
Education subjects where
college credits are awarded

5

State Seal of Biliteracy (SSB)

SSB awarded and
score of Level 3
or higher in ELA
on the Smarter
Balanced Summative
Assessments

6

Leadership/Military Service

Two years of Leadership/
Military Service, score
of Level 3 or higher in
ELA or math, and Level 2
"Standard Nearly Met" or
higher in other subject area

7

Career Technical Education (CTE) Pathway

Pathway completion with a grade of C- or better in the capstone course
plus one of the Additional Criteria below:

- Smarter Balanced Summative Assessments:
Level 3 or higher in ELA and at least a Level 2 in mathematics, or
Level 3 or higher in mathematics and at least a Level 3 in ELA
- One semester/two quarters/two trimesters of College Credit
Courses with a grade of C- or better in academic/CTE subjects
where college credits are awarded for each course

8

University of California (UC) and California State University (CSU) a-g requirements

Complete a-g course requirements with a grade of C- or better
plus one of the Additional Criteria below:

- Smarter Balanced Summative Assessments:
Level 3 or higher in ELA and at least a Level 2 in mathematics, or
Level 3 or higher in mathematics and at least a Level 3 in ELA
- One semester/two quarters/two trimesters of College Credit
Courses with a grade of C- or better in academic/CTE subjects
where college credits are awarded for each course
- Score of 3 on one AP exam or score of 4 on one IB exam
- Completion of CTE Pathway


7

Career Technical Education (CTE) Pathway

Pathway completion with a grade of C- or better in the capstone course plus one of the Additional Criteria below:

- **Smarter Balanced Summative Assessments:**
Level 3 or higher in ELA and at least a Level 2 in mathematics, or Level 3 or higher in mathematics and at least a Level 3 in ELA
- One semester/two quarters/two-trimesters of College Credit Courses with a grade of C- or better in academic/CTE subjects where college credits are awarded for each course

Action steps taken:

- TTUSD Met and Presented the Strategic Plan as it pertains to CTE to the **Truckee Chamber on 11/13/2023**
 - Director of Ed. Services, Shaun Roderick, attended a **3-day CTE Conference 11/15/23-11/17/2023**
 - Educational Services hosted a district-wide **CTE Teacher PLC** at the District Office on **12/12/2023**
 - Educational Services form and hosted the **CTE Subcommittee** on **12/12/2023**
 - **Draft surveys** are being reviewed by the CTE committee & Subcommittee
- 

Agenda Overview:

1. Welcome & Introductions
2. Career Technical Education Incentive Grant Funding & Rubric Review
3. Industry Partners
4. CTE Advisory Board

Findings:

- Work Based Learning opportunities embedded in courses
- Teachers are connected with industry partners throughout the community
- Students are developing leadership skills within their courses, inside and outside the classroom
- Hard and soft work skills are developed throughout lessons



CTE Teacher Committee

Agenda Overview:

1. Welcome & Introductions
2. TTUSD CTE Overview
3. Local Job Market Analysis
4. CTE Needs Assessment
5. Thought Exchange

Findings:

- Our pathways meet 4 of the top 5 labor markets.
- Conduct a survey to identify exploratory opportunities at the k-8 levels.



CTE Sub-
Committee

Needs Assessment

- Survey questions suggested by CTE Subcommittee
- Survey Drafts will be reviewed by Subcommittee members in January
- Surveys will be finalized and sent out to all Educational Partners (Students, Staff, Families, and Community) in February
- Survey data analysis will be conducted with the committees in March.

Next Steps to meet priority 1.3

- Strengthen and celebrate existing and thriving TTUSD pathways
- Eventual internship placement liaison in the Ed. Services Department
- Thought Exchange with all Stakeholders
- Opportunities at the elementary and middle school levels
- New pathways to support labor market results
- Additional exploration in 2026:

Intentional Closure (Whip Around):

How can you support the 2026 TTUSD CTE vision?

Offer all students (PreK-12) **opportunities** to **explore** areas of academic and personal interests, including enhancement of current educational programs that prepare students for **college, career, technical, trade, and workforce readiness.**



