

Career Technical Education (CTE) Board Presentation 12.14.23





District Goals

LCAP GOAL 1

Academic Achievement

The district will provide a high quality curricular program for students that will raise student proficiency on the California Common Core State Standards as measured by overall academic achievement on state assessments, CA Dashboard results, interim assessment data and ELPAC/Reclassification data.



LCAP GOAL 4

Special Education

The district will provide a high quality curricular programs for students with IEPs that will raise student engagement in school and proficiency on the California Common Core State Standards as measured by overall academic achievement on state assessments, and engagement rates.

LCAP GOAL 2

Professional Development

Identified classified staff, certificated and administrative staff will participate in professional development to create capacity and expertise in curriculum program implementation based on the development of scope and sequence as measured by walkthrough observations and other evidence (artifacts and student work).

LCAP GOAL 3

Student, Parent & Community Engagement

Improve parent school engagement through an increase in participation in site and district parent groups such as SSC, PTSA, DELAC, ELAC, AAPAC as well as in other parent meetings as measured by attendance sign in sheets.

District Priorities

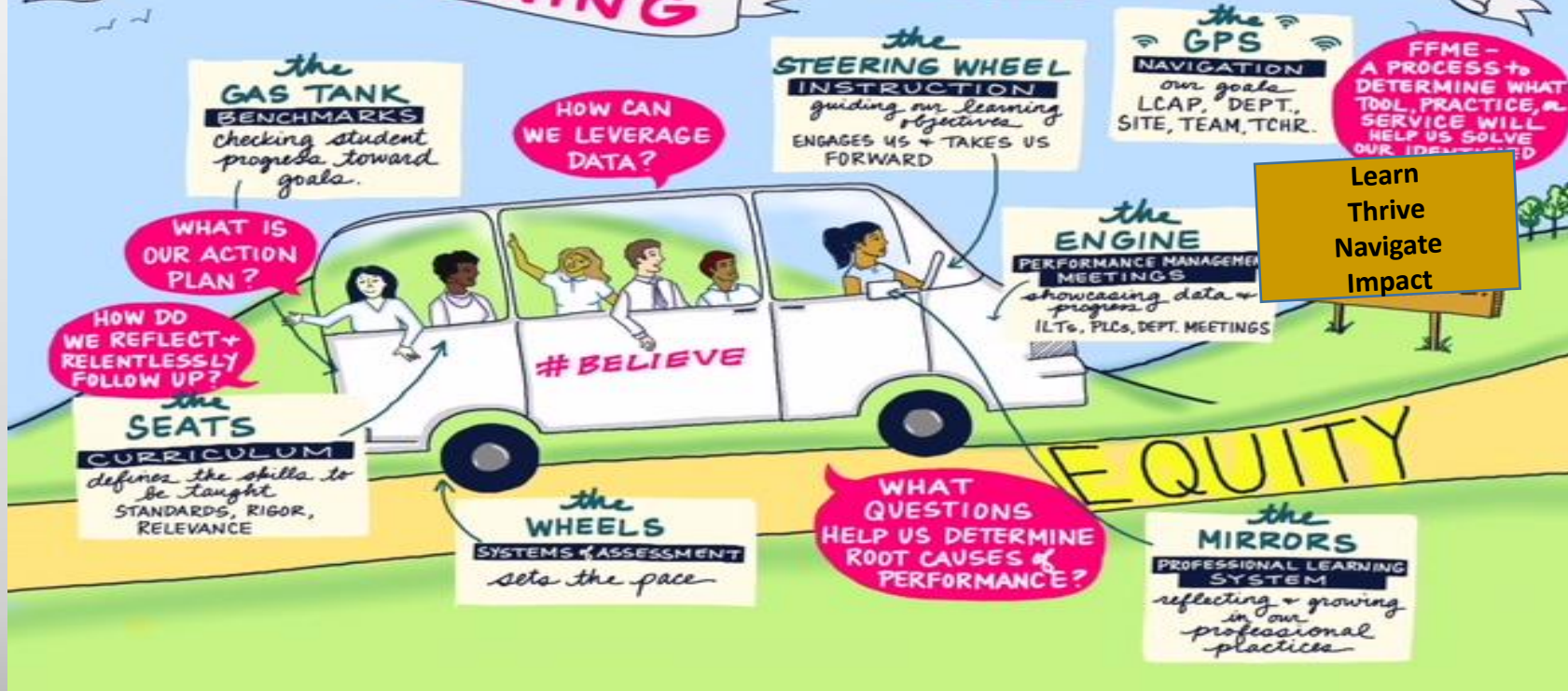
A) Improve Curriculum, Instruction & Assessment

B) Bolster Professional Learning and Collaboration

c) Strengthen Leadership Capacity



SSFUSD **STRENGTHENING OUR SYSTEMS**





Outcomes

- ❑ Review CTE Plan and Key CTE Performance Management Metrics
- ❑ Discuss Middle School and High School CTE Expansion and Improvement Opportunities
- ❑ Discuss District CTE Priorities for the Next Three Years



CTE GRADUATE DATA

SSFUSD CTE GRADUATE DATA

Metrics	Graduate Count		CTE Graduate Count		Graduate Rate %		CTE Graduate Rate %	
	20-21	21-22	20-21	21-22	20-21	21-22	20-21	21-22
Graduated with a high school diploma	597	552	341	101	87.1%	91.7%	96.88%	100%
Graduated with special education certification	4	9	4	0	0.57%	2%	1.14%	0%
5th year graduate	6	10	1	0	0.86%	3%	0.28%	0%
Did not graduate	89	17	6	0	12.79%	3%	1.70%	0%

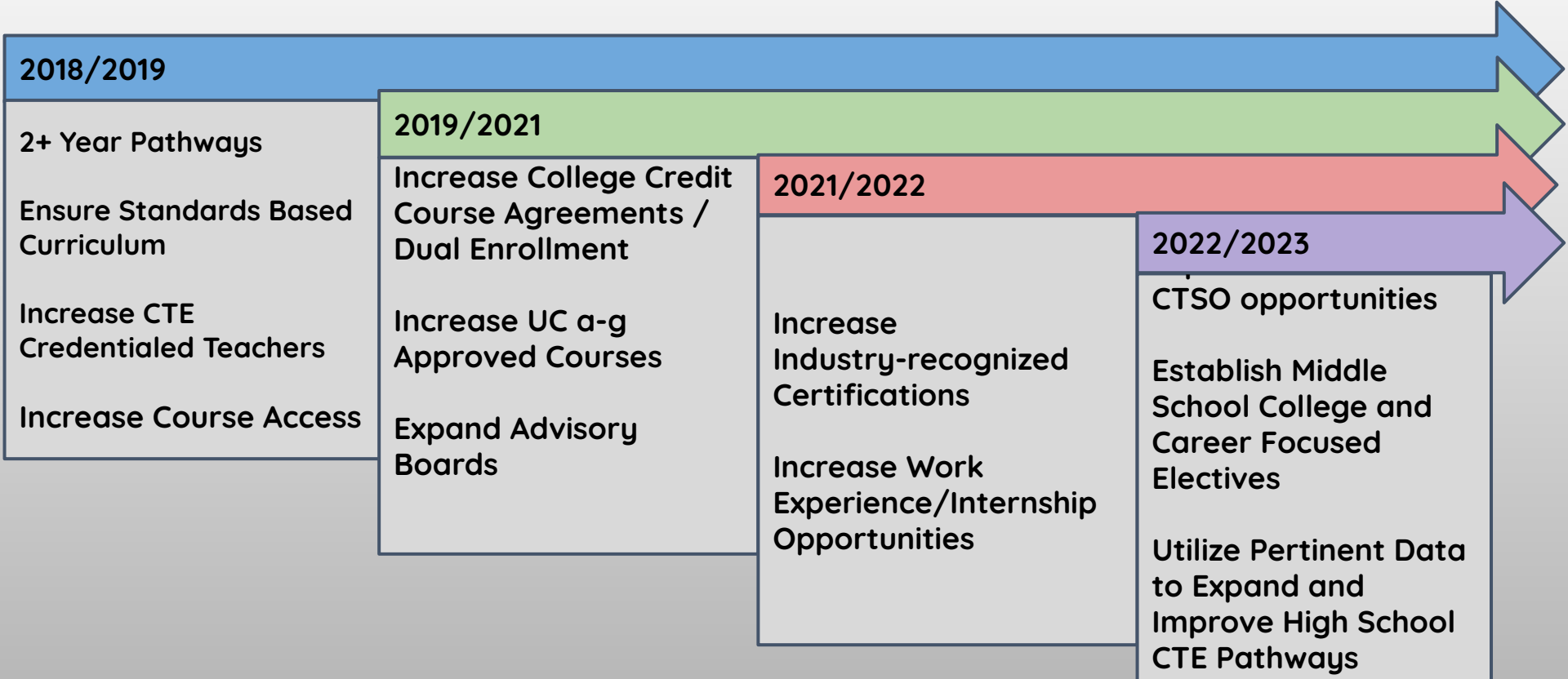


COLLEGE AND CAREER INDICATOR

College/Career Indicators	CTE Pathway Courses
Career Technical Education Pathway Completion	X
Grade 11 SBAC in ELA and mathematics	
Advanced Placement Exams	X
International Baccalaureate Exams	
College Credit Course (formerly Dual Enrollment)	X
a-g Completion	X
State Seal of Biliteracy	
Military Science/Leadership	
Work-Based Learning	X



SSFUSD CTE 5 Year Plan





CTE Key Indicators

	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	
C&C Indicator Prepared	27.9%	30.3%	41.9%	N/A	N/A	N/A		
# of Students Enrolled	1043	946	1386	1692	1306	1566	1653	
# of CTE Teachers	11	13	14	15	10	10	11	
# of HQ CTE Pathways	6	9	11*	11*	8	8	10	
# of Completers	104	185	338*	267*	225	193		
# of Dual Enrollment Courses	0	3	4	6	8	12	12	
# of Industry Recognized Certifications	0	1	2	2	3	4	4	
CTSOs	0	0	0	0	0	2	2	



CAREER TECHNICAL EDUCATION

2021-2023



SOUTH SAN FRANCISCO HIGH SCHOOL

Industry Sector	CTE Pathway	Concentrator Course	Capstone Course	UC A-G	Certifications	College Credit Course		Post- Secondary
Art Media and Entertainment	Performing Arts	Beginning Folklorico Dance	Intermediate Folklorico Dance	"f" Elective				CCSF SFSU
Art Media and Entertainment	Design, Visual, and Media Arts	Photography	Advanced Digital Photography	"f" Elective		ART 351 ART 352	ART 354 ART 431	Skyline SF Art Institute Academy of Art
Art Media and Entertainment	Production and Managerial Arts	Video Art	Advanced Video Art	"f" Elective				CSM SFSU
Building and Construction Trades	Residential and Commercial Construction	Construction Technology 1	Construction Technology 2					CCSE Cal State East Bay
Information & Communication Technologies	Software & Systems Development	Exploring Computer Science	AP Computer Science	"g" Elective "c" Elective	Information Technology Specialist for Java HTML and CSS			Skyline CCSF SFSU UC Berkeley
Health Science and Medical Technology	Biotechnology	Biotechnology 1,2	Biotechnology 3,4	"d" Elective	Small Volume Metrology	BTEC 400	BTEC 170 BTEC 171	Skyline SFSU Cal State East Bay
Hospitality, Tourism, and Recreation	Food Service and Hospitality	Culinary Art 1	Culinary Art 2	"g" Elective	CA Food Handler's Card	HTM 101 HTM 125	HTM 120	Skyline CCSF

* Biotechnology 5,6: Honors, College Credit- [BTEC 480](#), [BTEC 484](#)

Advanced Folklorico



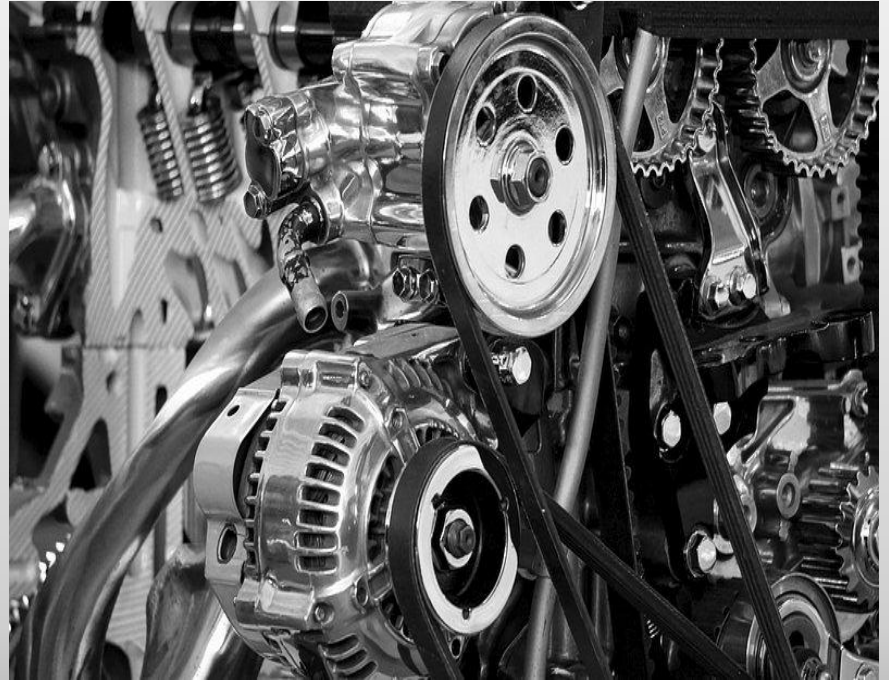
EL CAMINO HIGH SCHOOL

Industry Sector	CTE Pathway	Concentrator Course	Capstone Course	UC A-G	Certifications	College Credit Course		Post-Secondary
Art Media and Entertainment	Design, Visual, and Media Arts	Video Arts	Advanced Video Arts	"f" Elective				CCSF California College of the Arts
Art Media and Entertainment	Design, Visual, and Media Arts	Photography	Advanced Digital Photography	"f" Elective		ART 351 ART 352	ART 354 ART 431	Skyline SF Art Institute Academy of Art
*Information and Communication Technologies	Software & Systems Development	Exploring Computer Science	AP Computer Science	"g" Elective "c" Elective				Skyline CCSF SFSU UC Berkeley
*Health Science and Medical Technology	Biotechnology	Biotechnology 1,2	Biotechnology 3,4	"d" Elective	Small Volume Metrology	BTEC 400	BTEC 170 BTEC 171	Skyline SFSU Cal State East Bay
Hospitality, Tourism, and Recreation	Food Service and Hospitality	Culinary Art 1	Culinary Art 2	"g" Elective	CA Food Handler's Card	HTM 101 HTM 125	HTM 120	Skyline CCSF



BADEN HIGH SCHOOL-COLLEGE CREDIT COURSES

- [COUN 101](#): Prep For College
- [COUN 102](#): Student Success Strategies
- Instructor: Carla Sangco,
Counselor-Community Day School





COURSE AND SELF-ASSESSMENT

CTE Course and Self Assessment

*Share to jrockett@ssfusd.org

Assessment: Strength or Area of Growth	Evidence (Conference name and date, guest speakers, field trip locations, topics covered at the conferences/workshops)
CLASS:	
Industry Guest Speaker(s) <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	
Industry Recognized Certification(s) <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	
Career Readiness Workshops and Activities (i.e. resume writing, interviewing, financial literacy, etc.) <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	
Field Trips <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	
Career and Technical Student Organizations (CTSO): bpa, DECA, FBLA, FCCLA, FFA, HOSA, SkillsUSA, TSA <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	
TEACHER:	
Curriculum and Instruction Professional Development <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	
Industry Related Professional Development <input type="checkbox"/> Strength <input type="checkbox"/> Area of Growth	

Areas of Growth

- Work Based Learning
- Professional Development



CTE PROFESSIONAL DEVELOPMENT

- Equity, Inclusion, and Belonging Series
- Worlds of Flavor
- Educating For Careers
- AME Institute Pop Up
- Computer Science Week Workshops
- NABT Annual Conference
- SPE Annual Conference
- Zine Making workshop
- High School Partners Conference
- Lightroom Reimagined
- Inkjet PH Printing Masterclass
- SEA-PHAGES Program





WORK BASED LEARNING (WBL)

Work-Based Learning

AWARENESS

Learning **ABOUT** work. Build awareness of the variety of careers available and the role of post-secondary education; broaden student options.

Sample Student Learning Outcome:

Student can articulate the types of post-secondary education and training required in the career field and its importance to success in that field.

Experience defined by:

- One-time interaction with partner(s), often for a group of students
- Designed primarily by adults to broaden student's awareness of a wide variety of careers and occupations

Experiences might include:

- Workplace tour
- Guest speaker
- Career fair
- Visit parents at work

EXPLORATION

Learning **ABOUT** work. Explore career options for the purpose of motivating students and to inform their decision making in high school and post-secondary education.

Sample Student Learning Outcome:

Student can give at least two examples of how the student's individual skills and interests relate to the career field and/or occupations.

Experience defined by:

- One-time interaction with partner(s) for a single student or small group
- Personalized to connect to emerging student interests
- Student takes an active role in selecting and shaping the experience
- Depth in particular career fields
- Builds skills necessary for in-depth work-based learning

Experiences might include:

- Informational interview
- Job shadow
- Virtual exchange with a partner

PREPARATION

Learning **THROUGH** work. Apply learning through practical experience that develops knowledge and skills necessary for success in careers.

Sample Student Learning Outcome:

Student builds effective collaborative working relationships with colleagues and customers; is able to work with diverse teams, contributing appropriately to the team effort.

Experience differentiated by:

- Direct interaction with partners over time
- Application of skills transferable to a variety of careers
- Activities have consequences and value beyond success in the classroom
- Learning for student and benefit to partner are equally valued

Experiences might include:

- Integrated project with multiple interactions with professionals
- Student-run enterprise with partner involvement
- Virtual enterprise or extended online partner interactions
- Projects with partners through industry student organizations
- Service learning with partners
- Compensated internship connected to curriculum

PARTICIPATION

Learning **FOR** work. Train for employment and post-secondary education in a specific range of occupations.

Sample Student Learning Outcome:

Student demonstrates knowledge and skills specific to employment in a range of occupations in a career field.

Experience differentiated by:

- Interaction with partners over extended period of time
- Benefit to the partner is primary and learning for student is secondary
- Develop mastery of occupation specific skills
- Complete certifications or other requirements of a specific range of occupations

Experiences might include:

- Internship required for credential or entry to occupation
- Apprenticeship
- Clinical experience
- On-the-job training
- Work experience



WORK BASED LEARNING (WBL)

- ❑ Industry guest speakers
- ❑ Field Trips- Pie Ranch, SFOA, Leica Gallery
- ❑ CTE Day- Skyline College
- ❑ College and Career Tours- CCSF, Canada College, Skyline College, UC Davis, UC Berkeley
- ❑ Folklorico Performances
- ❑ Video Arts- Performances, Sporting Events and School Announcements
- ❑ Genentech Job Shadow Day
- ❑ Biotechnology Poster Presentations
- ❑ Jobs For Youth (JFY) career workshops



Work-Based Learning (WBL) Continuum

Career Awareness/Exploration Introduction – Learning ABOUT Work	Career Preparation Concentrator – Prepare FOR Work	Career Training Capstone – Learn THROUGH Work
<p>Build awareness of the variety of careers available and explore specific career options based on interests and skills in order to make informed decisions about high school and post-secondary education or training.</p> <p>Sample Student Learning Outcomes Student can articulate the type of postsecondary education and training required in a specific career field as well as cite examples of how their own skills & interests relate to this career field or occupation.</p> <p>Experience Defined by:</p> <ul style="list-style-type: none"> Initial Interaction with labor and industry Student led exploration of emerging skills and interests Designed to broaden student’s awareness of a wide variety of careers and occupations In-depth exploration of specific career paths <p>Career Readiness Learning might include:</p> <ul style="list-style-type: none"> Individualized student learning, college & career plan Career interest inventory Online career related program Job Readiness Skills workshops <p>Experiences might include:</p> <ul style="list-style-type: none"> Workplace Tours/Field Trips Guest Speakers Career Interest Assessment Informational Interviews College and/or Career Fairs 	<p>Apply learning through practical experience that develops knowledge and skills necessary for success in careers and postsecondary education or training.</p> <p>Sample Student Learning Outcomes Student builds effective collaborative working relationships with colleagues and customers; is able to work with diverse teams, contributing appropriately to the team effort.</p> <p>An Experience Differentiated by:</p> <ul style="list-style-type: none"> Direct interaction with mentors over time Application of transferable skills – communication, etc. Exposure to how activities have consequences and value outside of the classroom Student learning and mentor benefit are equally valued <p>Career Readiness Learning might include:</p> <ul style="list-style-type: none"> Job Readiness Skills workshops Business dress, behavior & etiquette training Mock interviews <p>Experiences might include:</p> <ul style="list-style-type: none"> Integrated project with multiple interactions with professionals/mentors Student-run enterprise with labor and industry involvement Job Shadow Virtual enterprise or other extended online interactions with labor and industry Projects with CTSD’s Community Service 	<p>Train for employment and/or postsecondary education in a specific range of occupations.</p> <p>Sample Student Learning Outcomes Student demonstrates knowledge and skills specific to employment in a range of occupations in a career field.</p> <p>An Experience Differentiated by:</p> <ul style="list-style-type: none"> Interaction with mentors over extended period of time Develop mastery of occupation specific skills Complete certifications or other requirements of a specific range of occupations <p>Career Readiness Learning might include:</p> <ul style="list-style-type: none"> Job Readiness Industry Skill Certification Work Ready Certification <p>Experiences might include:</p> <ul style="list-style-type: none"> Community Classroom / Work Experience Cooperative Vocational Training Internship* - paid/unpaid Service Learning <p>*May also be referred to as:</p> <ul style="list-style-type: none"> On-the-job training Exploratory Work Experience



WORK BASED LEARNING (WBL)

Youth Empowerment, Entrepreneurship, and Employment! (YEEE!)

Date	Activity	Notes
June 12 - June 30 (3 weeks)	Job Training Workshops	Jobs for Youth, Guest workshops, Field Trips; Site placements completed by June 23 Warm hand off of case management docs to Team Leads
July 5 - August 4 (5 weeks)	Career Academy & Internships	Work-based learning and 1:1 check ins
July 14	Timesheets & Performance Evaluation	Completed by site partners and youth
July 27	YEEE! Summer Showcase	Highlighting program experiences; similar to a CTE Exhibition
August 3	Portfolios Due	Timesheets, Bio/Cover Letter, Resume, Job Training Worksheets

Summer 2022: 11 students

Spring 2023: 4 Biotechnology and 10 Folklorico

Summer 2023: 19 students



BIOTECHNOLOGY 5/6

- Course is only offered at SSFHS (15 students)
- Promote Equity and Access- 10 ECHS students enrolled in course at SSFHS
- College Credit (Skyline College): BTEC 480 and BTEC 484
- Honors
- Sea-Phages
- **Challenge: Transportation**



Project Lead The Way (PLTW)

My favorite part about building is having to be able to have ideas to add on to make this project ours and I have been enjoying this so far with my friends

I liked how we had to like think about how to build our design without any steps we have to follow, we like get to brainstorm ideas on how to make it.

CTE Electives

- Explore various careers and begin to build workforce skills
- Assist students in acquiring and demonstrating skills such as collaboration, effective communication, and critical thinking
- Aligns with pathways offered in the high schools and the regional labor market

Middle School Enrollment

Alta Loma: 649

Parkway Heights: 588

Westborough: 519

PLTW Enrollment

23-24 Alta Loma MS **380**

PLTW App Creators 34

PLTW Automation and Robotics 141

PLTW Design and Modeling 171

PLTW Medical Detectives 34

23-24 Parkway Heights MS **204**

PLTW Automation and Robotics 74

PLTW Design and Modeling 130

23-24 Westborough MS **285**

PLTW App Creators 27

PLTW Design and Modeling 166

PLTW Energy and Environment 31

PLTW Medical Detectives 29

PLTW Science of Technology 32

PLTW CS for Innovators and Makers 28

Grand Total **897**



CAREER TECHNICAL EDUCATION

2024-2026



CTE STATE PLAN

DRAFT FOR REVIEW

California State Plan for Career Technical Education (CTE)

A Vision for Equity and Excellence in CTE

Focus and Themes

- Pathways and Dual Enrollment
- Regional Partnership Development
- Work-Based Learning
- CTE Teacher and Faculty Preparation and Pipeline



2024 and Beyond

- New Patient Care Pathway for 2024-2025 School Year (Health Sciences and Sports Medicine)
- NCCER High School Home Builders- Core and Green Environment Certificates
- Food and Beverage Certificate through Skyline College
- Certifications- OSHA 10, First Aid, CPR and AED, Adobe, and IT Specialist
- College Credit (DE)- Video Arts, Health Sciences/Sports Medicine, and Folklorico
- Construction Technology Pathway Access for El Camino HS students
- College and Career opportunities for Baden HS students
- E-Portfolios- Resume, Cover Letter, WBL, Certifications, and Artifacts
- Teacher Professional Development- Academic and Industry
- UC a-g Course Updates
- PLTW Expansion
- WBL Opportunities Expansion

