Measuring High Quality CTE Through Pathway Audits

Bridgette Hernandez
Executive Director of Educational Services

Bridcenia Ayala
Kristine Nodarse-Hernandez
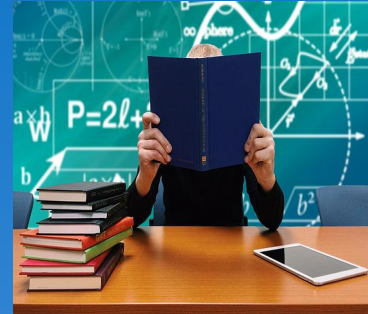**Tony Hernandez**
College and Career Pathway Advisors

Just like Me

Agenda

San Gabriel Valley ROP Overview

Pathway Audit Creation

Pathway Audit Timeline

Data Sheets

Twelve Elements of High Quality CTE

Sample USD Scorecard

Pathway Audit Review

Questions and Answers

WHO WE ARE

San Gabriel Valley ROP empowers students to become confident lifelong learners and self-reliant professionals by providing equitable opportunities through rigorous career technical education.

WHO WE SERVE

San Gabriel Valley ROP currently serves the Azusa, Baldwin Park, Charter Oak, Glendora, San Gabriel, and Walnut Valley Unified School Districts.

WHAT WE OFFER

HIGH QUALITY CTE

Career Technical Education (CTE) provides students of all ages with the academic and technical skills, knowledge and training necessary to succeed in future careers and to become lifelong learners.

WORK-BASED LEARNING

Work-based learning is an educational strategy that provides students with real-life work experiences where they can apply academic and technical skills and develop their employability.

CAREER TECHNICAL STUDENT ORGANIZATIONS

A career and technical student organization (CTSO) is an extracurricular group for students in CTE pathways to further their knowledge and skills by participating in activities, events, and competitions.

Pathway Audit Timeline

July - Create Data Sheets

August - Create Individual Teacher Data Sheets

September - October - Demographic Data Collected

November - June - Collect Certifications, Preliminary Articulation, Field Trips, Guest Speakers, CTSO, WBL, College and Career Indicators, Post-secondary Data

December - Collect Semester Grades

May - June - End of the Year Check-out

July - August - Final CTSO, Articulation and Dual Enrollment Credit

CTE Student Data Collection

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Student Profile								**CTE Course Information**					**Final Grades and Sequencing**			**Grant Objectives** (Elements) High-Quality, Integrated Curriculum and Instruction		
	Period	Student ID	Student Name (Last, First)	Student Personal Email	Date of Birth	Gender	Grade Level	Course Title	Course Code	Concentrator/ CAPSTONE	A-G Approved Course	Course Articulated	Student Received Grade of C- or Better	Successful Passing of Concentrator Before Capstone	CTE Pathway Completion (grade of C- or better in capstone)	Completed Work-Based Learning (WBL)	Total # of WBL Hours Completed	WBL type cod

	S	T	U	V	W
	Received Industry-Recognized CERTIFICATION	Specify CERTIFICATION	Attempted Articulation Credit-by-Exam	Student AWARDED Articulated/ Dual Enrollment Credit by College	Specify College of Credit Awarded

	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT
	Career Exploration and Student Supports									**Skilled Instruction and Educational Leadership, Informed by Professional Learning**									**Student College and Career Readiness Indicator**				
																			Approaching Prepared			**Prepared**	**Well Prepared (Pr**
	Received College and Career Counseling Services	Member of Career and Technical Student Organization (CTSO)	Specify CTSO	Participated in Regional Competition	Level placed at Regional competition	Participated in State Competition	Level placed at State competition	Participated in National Competition	Level placed at National competition	Participated in Field Trip	Total # of Hours Field Trip	Location of Field Trip	Guest Speaker	Total # of Hours Guest Speaker	Guest Speaker visiting from	Job Shadow	Total # of Hours Job Shadow	Location of Job Shadow	A-G Course (grade of C- or better)	CTE Pathway Completion (grade of C- or better in capstone)	College Credit Course: One Semester (grade of C- or better)	CTE Pathway Completion AND One Semester of College Credit	CTE MCS Aligned Work Exp. Ed. (WEE): 2+ Semesters

	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
...or (CCI)	**Proposed CTE WBL**									**SGVROP Follow-Up Survey Prepara (CTE Completer Postsecondary Stat**			
	CTSO Leadership/Skill ls Assessment (Practical and Written): Placement at State and/or National Level Competition	Summer Internship: 300+ Hours	Community Classroom (CC) (unpaid): 2 Semesters	Cooperative Vocational Education (CVE) (paid): 2+ Semesters	Year Long Internship: (Capstone): 350+ Hours	Explorer Program (Fire, Police, Paramedic): Acceptance into Academy	ROTC/Milit Cadets: Enlist int Branch of Military	Pre-Apprentice-ship: Acceptance into Apprenticeshi p	Industry Certification: Industry Specific Certificate	22-23 Graduating Senior	Meets Requirements For "CTE Pathway COMPLETER" Status: 1) Completed pathway sequence of	Student Personal EMAIL (not district email)	Student Personal PHONE (not parent/guardia phone # from AERIES)

Twelve Elements of High Quality CTE Programs

Student-Centered Delivery of Services

- Pathway Sequencing
- Pathways Completers

Equity

- Special populations

Access

- Virtual After-school career workshops
- Asynchronous online CTE classes

Leadership at All Levels

- Career and Technical Student Organizations (CTSO)

High-Quality, Integrated Curriculum and Instruction

- A-G
- Certifications
- Digital Badges

Skilled Instruction and Educational Leadership, informed by Professional Learning

- Field Trips/Guest Speakers
- Professional Development of Instructors
- Industry Experience

Sustained Investments And Funding Through Mutual Agreements

- CTEIG Grant
- K12 SWP Grant
- Education Foundation

Strong Partnerships with Industry

- Work-Based Learning

Career Exploration and Student Supports

- College and Career Services

Appropriate Use of Data and Continuous Improvement

- CTE Data Collection

Cross-System Alignment

- Articulation
- Centers of Excellence Data

Intentional Recruitment and Marketing (Promotion, Outreach, and Communication)

- Personalized Flyers

Sample USD Scorecard 2022-2023

Summary	Areas of Strength	Areas of Improvement	Accomplishments
Sample A High School			
Sample B Alternative Ed. HS			
Sample C High School			

Sample A High School
CAREER TECHNICAL EDUCATION PATHWAYS

Arts, Media & Entertainment

Video Production
Concentrator - *UC A-G, F*

Video Production Adv.
Capstone - *UC A-G, F*

Information & Communication Technologies

IT Essentials
Concentrator - *UC A-G, G*

Internet of Things
Concentrator - *UC A-G, G*

CCNA Networking
Capstone - *UC A-G, G*

Education, Child Development & Family Services

Early Childhood Education
Concentrator - *UC A-G, G*

Early Childhood Education Adv.
Capstone - *UC A-G, G*

Health, Science, and Medical Technology

Medical Careers
Concentrator - *UC A-G, G*

Medical Assistant Clinical
Capstone - *UC A-G, G*

Sports Medicine/Kinesiology
Capstone- *UC A-G, G*

Engineering & Architecture

Architectural Design 1
Concentrator - *UC A-G, G*

Architectural Design 2
Capstone - *UC A-G, G*

Intro to Design (PLTW)
Introduction - *UC A-G, G*

Principles of Engineering (PLTW)
Concentrator- *UC A-G, G*

Computer Integrated Manufacturing (PLTW)
Capstone - *UC A-G, G*

Transportation

Automotive Technology
Concentrator - *UC A-G, G*

Automotive Technology Advanced
Capstone - *UC A-G, G*

Pathway	Student-Centered Delivery of Services	Equity	Access	Leadership at All Levels	High-Quality, Integrated Curriculum and Instruction	Skilled Instruction and Educational Leadership, informed by Professional Learning
Sports Medicine	**41** Completers **100%** Completers			**27 Members** **27** Regionals SkillsUSA	**28** Certified **41** Received A-G Credit	
Medical Assisting	**12** Completers **80%** Completers	**9%** Special Populations Students		**10 Members** **10** Regionals hosa	**16** Certified **117** Received A-G Credit	
Child Development	**17** Completers **80%** Completers	**13%** Special Populations Students	College & Career Workshops	**14 Members** **13** Regionals **1** State SkillsUSA	**21** Certified **103** Received A-G Credit	Professional Development
Information Technology	**26** Completers **44%** Completers	**7%** Special Populations Students			**73** Certified **89** Received A-G Credit	
Engineering Architecture	**11** Completers **92%** Completers	**6%** Special Populations Students		**12 Members** **12** Regionals SkillsUSA	**64** Certified **94** Received A-G Credit	
Automotive	**10** Completers **100%** Completers			**8 Members** **8** Regionals SkillsUSA	**34** Received A-G Credit	
Video Production	**5** Completers **100%** Completers				**81** Received A-G Credit	

Pathway	Career Exploration and Student Supports	Appropriate Use of Data and Continuous Improvement	Cross-System Alignment	Intentional Recruitment and Marketing (Promotion, Outreach, and Communication)	Sustained Investments and Funding through Mutual Agreements	Strong Partnerships with Industry
Sports Medicine	**41** Received College & Career Services		**41** Received Articulation Credit		CTEIG K12 SWP	**41** Completed WBL Total # of Hours: **246**
Medical Assisting	**162** Received College & Career Services		**3** Received Articulation Credit		CTEIG K12 SWP	**8** Completed WBL Total # of Hours: **130**
Child Development	**142** Received College & Career Services		**1** Received Articulation Credit	Early Childhood Education	CTEIG	**21** Completed WBL Total # of Hours: **1490**
Information Technology	**88** Received College & Career Services	SGVROP COE Data			CTEIG	
Engineering Architecture	**94** Received College & Career Services				CTEIG	**58** Completed WBL Total # of Hours: **232**
Automotive	**78** Received College & Career Services		**15** Received Articulation Credit		CTEIG	**56** Completed WBL Total # of Hours: **336**
Video Production	**86** Received College & Career Services				CTEIG	**82** Completed WBL Total # of Hours: **2273**

Sample B Alternative Education High School

Transportation

Automotive Technology
Concentrator - *UC A-G, G*

Automotive Technology Advanced
Capstone - *UC A-G, G*

Education, Child Development, and Family Services

Intermediate Child Development
Concentrator - *UC A-G, G*

Advanced Child Development
Capstone - *UC A-G, G*

Pathway	Student-Centered Delivery of Services	Equity	Access	Leadership at All Levels	High-Quality, Integrated Curriculum and Instruction	Skilled Instruction and Educational Leadership, informed by Professional Learning
Child Development	**4** Completers **100%** Completers	**26%** Special Population	College & Career Workshops		**25** Received a-g credit	Professional Development
Automotive	**28** Completers **87%** Completers	**95%** Special Population			**112** Received a-g credit	

Pathway	Career Exploration and Student Supports	Appropriate Use of Data and Continuous Improvement	Cross-System Alignment	Intentional Recruitment and Marketing (Promotion, Outreach, and Communication)	Sustained Investments and Funding through Mutual Agreements	Strong Partnerships with Industry
Child Development	**25** Received College & Career Services	SGVROP COE Data			CTEIG	
Automotive	**135** Received College & Career Services				CTEIG	

Sample C High School
CAREER TECHNICAL EDUCATION PATHWAYS

Arts, Media & Entertainment

Video Production1
Concentrator. - *UC A-G, F*

Video Production 2
Capstone. - *UC A-G, F*

Digital Arts 1
Concentrator. - *UC A-G, F*

Digital Arts 2
Capstone - *UC A-G, F*

Photo 1
Concentrator - *UC A-G, F*

Photo 2
Capstone - *UC A-G, F*

AP Start 2D Design
Capstone- *UC A-G, F*

Education, Child Development & Family Services

Early Childhood Education
Concentrator - *UC A-G, G*

Early Childhood Education Adv.
Capstone - *UC A-G, G*

Engineering & Architecture

Architecture Design 1
Introductory - *UC A-G, G*

Architecture Design 2
Concentrator - *UC A-G, G*

Architecture Design 3
Capstone - *UC A-G, G*

Intro to Design
Introductory - *UC A-G, G*

Principles of Engineering
Concentrator - *UC A-G, G*

Civil Engineer Architecture
Capstone - *UC A-G, G*

Health, Science, and Medical Technology

Sports Physical Therapy
Concentrator - *UC A-G, G*

Sports Physical Therapy Adv.
Capstone - *UC A-G, G*

Information & Communication Technologies

Tech Careers
Concentrator-*UC A-G, G*

AP Computer Science
Capstone -*UC A-G, G*

HTML & CSS Web Design
Concentrator -*UC A-G, G*

Java Web Development
Capstone-*UC A-G, G*

Marketing, Sales, & Services

Retail Sales
Concentrator-*UC A-G, G*

Retail Sales Adv.
Capstone - *UC A-G, G*

Pathway	Student-Centered Delivery of Services	Equity	Access	Leadership at All Levels	High-Quality, Integrated Curriculum and Instruction	Skilled Instruction and Educational Leadership, informed by Professional Learning
Digital Arts	19 Completers 100% Completers	6% Special Population		19 Members 19 Regional SkillsUSA	123 Received A-G Credit	
Engineering Architecture	32 Completers 100% Completers	1% Special Population		7 Members 7 Regional SkillsUSA	125 Received A-G Credit	
Video Production	33 Completers 100% Completers	1% Special Population			102 Received A-G Credit	
Retail Sales	20 Completers 95% Completers	5% Special Population	College & Career Workshops		63 Received A-G Credit	Professional Development
Child Development	46 Completers 100% completers	1% Special Population		20 Members 20 Regional SkillsUSA	7 Students Certified 88 Received A-G Credit	
Information Technology	52 Completers 98% Completers	3% Special Population			125 Received A-G Credit	
Sports Medicine	39 Completers 92% Completers	1% Special Population		25 Members 16 Regionals hosa	80 Students Certified 95 Received A-G Credit	
Photography	12 Completers 92% Completers	9% Special Population		13 Members 13 Regional SkillsUSA	128 Received A-G Credit	

Pathway	Career Exploration and Student Supports	Appropriate Use of Data and Continuous Improvement	Cross-System Alignment	Intentional Recruitment and Marketing (Promotion, Outreach, and Communication)	Sustained Investments and Funding through Mutual Agreements	Strong Partnerships with Industry
Digital Arts	**159** Received College & Career Services		**17** Received Articulation Credit		CTEIG	**2** Completed WBL Total # of Hours: **8**
Engineering Architecture	**125** Received College & Career Services				CTEIG	
Video Production	**102** Received College & Career Services				CTEIG	**16** Completed WBL Total # of Hours: **229**
Retail Sales	**65** Received College & Career Services				CTEIG CTE Teach	**12** Completed WBL Total # of Hours: **5814**
Child Development	**88** Received College & Career Services	SGVROP COE Data	**5** Received Articulation Credit		CTEIG	**82** Completed WBL Total # of Hours: **17,781**
Information Technology	**141** Received College & Career Services				CTEIG	
Sports Medicine	**169** Received College & Career Services		**5** Received Articulation Credit		CTEIG K12 SWP	**22** Completed WBL Total # of Hours: **568**
Photography	**152** Received College & Career Services		**13** Received Articulation Credit		CTEIG	**4** Completed WBL Total # of Hours **16**

Sample USD Summary 2022-2023

Summary	Areas of Strength	Areas of Improvement	Accomplishments
Sample A High School			
Sample B Alternative Ed. HS			
Sample C High School			

Sample USD Summary 2022-2023

Summary	Areas of Strength	Areas of Improvement	Accomplishments
Sample A High School	- Sequencing - Pathway Completers - Work-Based Learning CTE - Articulation Agreements with CC	- Articulation Pass Rate - Certification	4,707 Hours of Work Based Learning, 6 of 7 classes participated
Sample B Alternative Ed. HS	- Sequencing - Pathway Completers	- Work Based Learning - Articulation/Dual Enrollment	89% Completer Pass Rate
Sample C High School	- Sequencing - Strong CTSO Presence - Articulation Agreements with CC	- Articulation Pass Rate - Certification	24,416 hours of Work Based Learning (WBL)

2022-2023 YEAR IN REVIEW

Sample
Unified School District

1,797 Total students enrolled in CTE courses

495 Students enrolled in Arts, Media, & Entertainment

255 Students enrolled in Education, Child Development, & Family Services

219 Students enrolled in Engineering & Architecture

330 Students enrolled in Health Science & Medical Technology

220 Students enrolled in Information & Communication Technologies

65 Students enrolled in Marketing, Sales, & Services

213 Students enrolled in Transportation

106 Students received college credit

407 Pathway completers

289 Students received industry certification

31 UC A-G courses offered across the district

29,123 hours of **work-based learning** completed by students

Career and Technical Student Organizations

155 Students participated in CTSOs

145 Students placed at Regionals

10 Students reached State

SkillsUSA

hosa future health professionals

Questions

Thank You