



Section 2

Multiple Pathways in Action



COALITION FOR MULTIPLE PATHWAYS

January 2009 Convening
Multiple Pathways in Action
Sacramento, California

District Profile:

GROSSMONT UNION HIGH SCHOOL DISTRICT

Superintendent Robert J. Collins
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District Demographics

Total High School Enrollment	19,696	Ethnic Breakdown:	
Number of High Schools	10 (nine regular and one continuation)	African-American	8.5%
		Asian/Pacific Islanders	5.7 %
Free- and Reduced-price Lunch Eligible	33.7 %	Caucasian (non-Hispanic)	52.8 %
English Language Learners	9.6%	Hispanic/Latino	28.0 %
		Other	5.0 %

Industry Sectors in Which Pathways or Programs Are Offered

- Agriculture and Natural Resources
- Arts, Media, and Entertainment
- Building and Environmental Design
- Education, Child Development, and Family Services
- Energy and Utilities
- Engineering
- Finance and Business
- Health and Medical Sciences
- Hospitality, Tourism, and Recreation
- Information Technology
- Manufacturing
- Marketing, Sales and Service
- Transportation

District Long Range Vision

The middle school students entering our high school district will have participated in career exploration and interest activities. They will be informed about the career pathways offered in GUHSD and will be able to choose which high school to attend based on their career interest. Each high school will offer a minimum of three pathways representing the industry sectors that mirror the needs of our community. The pathways will have well developed sequences of classes that have rigorous, standards-based curriculum. We will set the bar high and provide support in the form of pathway advisors, business partners who are mentors, parental involvement, and academic tutoring and supplemental instruction, if needed, to ensure that all students have the opportunity to participate and succeed. We will utilize comprehensive evaluations, including multiple measures of student achievement and postsecondary tracking, which will be done on a routine basis so that adjustments can be made as indicated to improve the programs. Our students will leave our district career-ready and college-prepared.

District Profile: GROSSMONT UNIFIED HIGH SCHOOL DISTRICT

Pathway Program	School Name	Grade Levels	Enrollment	Structure	Description*
Arts, Media and Entertainment					
Photo, 3D Design, Web Page, Digital Arts	Grossmont High	10-12		District & ROP	In Progress*
Photo, Video, Graphic Design/Printing	El Cajon Valley High	9-12		District & ROP	In Progress*
Photo 1, 2, 3, 4	Mt. Miguel High	9-12		District & ROP	In Progress*
Multimedia, 3D Design, Digital Arts, Photo	Valhalla High	9-12		District & ROP	In Progress*
Theater Tech, Musical Theater Performer	Valhalla High	9-12		District & ROP	In Progress*
Multimedia, 3D Design, Video, Web Page	Steele Canyon Charter High	11-12		ROP	In Progress*
Photo, Video Production	Santana High	9-12		District & ROP	In Progress*
Photo, Multimedia, Digital Arts, Video	Westhills High	9-12		District & ROP	In Progress*
Agriculture					
Cal Ag, Plant Sci, Animal Sci, Agribusiness, Farm Shop, Floral Design	El Capitan High	9-12	400	District & ROP	Developed
Floral Design, Floral Entrepreneur	Chaparral High	11-12		ROP	In Progress*
Animal Careers, Veterinary Science	Steele Canyon Charter	11-12		ROP	In Progress*
Building Trades and Construction					
Woodworking, Drafting, Construction	El Capitan High	9-12		District & ROP	In Progress*
Education, Child Development, Family Services					
Child Development, Teaching Careers	Mt. Miguel High	11-12		ROP	In Progress*
Energy and Utilities					
Intro to Design, Civil Engineering, Environmental Design	Valhalla High	9-12		District	In Progress*
Drafting Intro to Design, Civil Engineering	Santana High	9-12		District	In Progress*
Drafting, Manufacturing, Auto Body	Santana High	9-12		District & ROP	In Progress*
Engineering and Design					
Drafting, Electronics/Robotics	Granite Hills High	9-12		District & ROP	In Progress*
Finance and Business					
Business & Computers, Intro to Bus & Banking, Virtual Enterprise	El Cajon Valley High	9-12	120	District & ROP	Developed
Health Science					
Medical Biology, Chemistry, Physiology, Sports Med, Med Prof Exploration	Westhills High	9-12	100	District & ROP	Developed
Medical Biology, Chemistry, Physiology, Sports Med, Med Prof Exploration	Granite Hills High	9-12	100	District & ROP	Developed
Medical Biology, Chemistry, English, Sports Medicine	Mt. Miguel High School	9-12	100	District/SSP	Developed
Hospitality Tourism and Recreation					
Foods, Culinary Arts	Valhalla High	9-12	50	District & ROP	Developed
Information Technology					
Web Page Design 1, 2, 3, 4	Granite Hills High	9-12	115	District	Developed
Manufacturing and Product Development					
Welding 1, 2, 3, 4	El Cajon Valley High	11-12	100	ROP	Developed
Drafting, Manufacturing Technology	Monte Vista High	9-12		District & ROP	In Progress
Marketing, Sales and Service					
Intro to Travel, Marketing, Virtual Ent.	Mt. Miguel High	10-12	95	District & ROP/CPA	Developed
Transportation					
Auto Tech 1, 2, 3, 4, Susp & Brakes	Grossmont High	9-12		District & ROP	In Progress*
Auto Tech 1, 2, 3, 4	Granite Hills High	9-12	140	District & ROP	Developed
Auto Tech 1, 2, 3, 4	Monte Vista High	9-12		District & ROP	In Progress*
Auto Tech 1, 2, 3, 4	El Capitan High	9-12		District & ROP	In Progress*

* In Progress Pathways: Classes exist, but working on coherent, vertical sequences, scheduling of cohorts and academic integration; Enrollment numbers of individual classes not representative of true pathway enrollment so not entered.



COALITION FOR MULTIPLE PATHWAYS

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Sacramento, California

District Profile:

LOS ANGELES UNIFIED SCHOOL DISTRICT – LOCAL DISTRICT 4

Superintendent Richard A. Alonzo
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District Demographics

Total High School Enrollment	22,447	Ethnic Breakdown:	
Number of High Schools	24	African-American	2.5%
		Asian/Pacific Islanders	6.5%
Free- and Reduced-price Lunch Eligible	80.0%	Caucasian (non-Hispanic)	0.4%
English Language Learners	74.0%	Hispanic/Latino	90.6%

Industry Sectors in Which Pathways or Programs Are Offered

- Theatre Arts, Media, and Entertainment
- Visual Arts
- Finance and Business
- Health Sciences and Medical Technology
- Computer Science
- Public Service
- Business & Tourism

District Long Range Vision

LAUSD-Local District 4 (LD4) schools will have educational programs that inspire a new way of looking at high school instruction, demonstrating how academics blend with work-based learning so that the classroom and the world of work are linked and reinforce one another. Students will be exposed to, prepared for, and participate in advanced training and study in meaningful careers and Los Angeles' high-growth industry sectors. LD4 schools will also be in partnership with local colleges and universities that are supporting the development of its future workforce. Such mutually beneficial relationships will be evident through an array of partnerships occurring across LD4 high schools, business, and postsecondary partnerships. These may include internships, externships, curriculum development, project-based learning, mentorships, articulation agreements, counseling, pipeline development, pathway and course design, etc. The multiple pathways schools will increase students' depth of understanding of core academic knowledge as well as equip them with the skills that both engage students in meaningful work and prepare them for college and career. Local District 4 will serve as a regional and state model of excellence and best practice.

District Profile: LOS ANGELES UNIFIED SCHOOL DISTRICT – LOCAL DISTRICT 4

Pathway Program	School Name	Grade Levels	Enrollment	Structure ¹	Description
Academy of Business and Finance	Belmont HS			CPA	
Multimedia Academy	Belmont HS		164	CPA	
Academy of Teaching and Learning, LA Teacher Prep. Academy	Belmont HS	9–10	242	Pilot School	
Health Careers, LAAMPS	Belmont HS	9–12	459	SLC	
Creative Performing and Visual Arts, Los Angeles High School of the Arts	Belmont HS	9–12	404	Pilot School	
Academy of Business and Finance	Downtown Magnets HS			CPA	
Business & Finance Academy	Edward Roybal HS	9–12	414	SLC	
Public Service, Civitas School of Leadership AEE	Edward Roybal HS	9–10	243	Pilot School	
Computer Science Academy	Edward Roybal HS	9–12	423	SLC	
Business Management and Marketing	Edward Roybal HS			SLC	
Creative Performing and Visual Arts, School of Visual Arts	Edward Roybal HS	9–12	424	Pilot School	
Transportation Careers Academy	Franklin HS		115	CPA	
Media Entertainment and Graphic Arts Academy (MEGA)	Franklin HS			SSP	
New Media Academy	Hollywood High School		154	CPA	
Academic Leadership Community	Miguel Contreras HS	9–12	444	Pilot School	
Tourism Management, Business & Tourism	Miguel Contreras HS	9–12	462	CPA	
Information Technology, Global Studies	Miguel Contreras HS	9–12	376	New Tech HS	

¹ CPA = California Partnership Academy
SSP = Specialized Secondary Program

SLC = Small Learning Community



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District Profile:

PORTERVILLE UNIFIED SCHOOL DISTRICT

Superintendent John Snavely, Ed.D.
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District Demographics

Total High School Enrollment	6,200	Ethnic Breakdown:	
Number of High Schools	4 comprehensive, 1 magnet academy, 1 continuation, 1 independent study	African-American	0.6%
Free- and Reduced-price Lunch Eligible	83.6%	Asian/Pacific Islanders	2.8%
English Language Learners	19.2%	Caucasian (non-Hispanic)	22.0%
		Hispanic/Latino	65.0%
		Other	9.6%

Industry Sectors in Which Pathways or Programs Are Offered

Career Pathways Offered

- Arts, Media, and Entertainment Industry
- Engineering and Design Industry
- Finance and Business Industry
- Health Science and Medical Technology Industry
- Information Technology Industry
- Marketing, Sales, and Service Industry

ROP Sequence with Capstone

- Agriculture and Natural Resources Industry
- Building Trades and Construction Industry
- Education, Child Development and Family Services
- Manufacturing and Product Development Industry
- Public Services Industry Sector
- Transportation Industry Sector

District Long Range Vision

In five to seven years, the concept of career education will have changed from the college preparatory track versus career technical education to the realization that all students benefit from courses of study that integrate challenging academics with demanding technical components. Parents will understand that career education is not the traditional track of learning a set of skills for specific employment. Teachers will have mastered instructional techniques that encourage students to solve authentic problems and situations that are part of the workplace. Students will have opportunities to test their skills gained in the classroom in practical application and field-based experiences. The community will recognize that their role in providing mentorship and internships is crucial to the educational strength of the business community. Obstacles to district-wide participation will have been addressed so that transportation and district boundaries are no longer defining limits for school selection. Students will have the option of selecting from a wide range of pathways or more specific academies and will graduate from high school prepared for both college and a career.

District Profile: PORTERVILLE UNIFIED SCHOOL DISTRICT

Pathway Program	School Name	Grade Levels	Enrollment	Structure ¹	Description ¹
Greenhouse Management	Citrus High School	10–12	41	ROP	Capstone
Auto Detailing	Granite Hills High School	11–12	19	ROP	Capstone
CAD Drafting	Granite Hills High School	11–12	24	ROP	Capstone
Careers in Education	Granite Hills High School	11–12	4	ROP	Capstone
Child Development Program	Granite Hills High School	11–12	26	ROP	Capstone
Computer Service Technician	Granite Hills High School	11–12	14	ROP	Capstone
Desktop Publishing/Journalism	Granite Hills High School	11–12	58	ROP	Capstone
Digital Communication and Design	Granite Hills High School	9–12	103	SSP	
Floral Design	Granite Hills High School	11–12	24	ROP	Capstone
Health Occupations	Granite Hills High School	11–12	19	ROP	Capstone
Landscape Management	Granite Hills High School	11–12	9	ROP	Capstone
Public Safety	Granite Hills High School	11–12	24	ROP	Capstone
Retail Sales	Granite Hills High School	11–12	11	ROP	Capstone
Video Production	Granite Hills High School	11–12	38	ROP	Capstone
Engineering	Harmony Magnet Academy	9–12*	108	Charter	NAF/PLTW curriculum
Performing Arts Academy	Harmony Magnet Academy	9–12*	40	Charter	
Advanced Welding	Monache High School	11–12	24	ROP	Capstone
Agricultural Mechanics	Monache High School	11–12	9	ROP	Capstone
Auto Body	Monache High School	11–12	29	ROP	Capstone
Building/Remodeling	Monache High School	11–12	20	ROP	Capstone
Careers in Education	Monache High School	11–12	28	ROP	Capstone
Child Care Occupations	Monache High School	11–12	34	ROP	Capstone
CISCO Internet Working	Monache High School	11–12	16	ROP	Capstone
Engineering	Monache High School	9–12	101	Local Program	
Multimedia Technology Academy	Monache High School	10–12	90	CPA	
Ornamental Horticulture	Monache High School	11–12	21	ROP	Capstone
Video Production	Monache High School	11–12	34	ROP	Capstone
Virtual Enterprise	Monache High School	11–12	26	ROP	Capstone
Website Design	Monache High School	11–12	20	ROP	Capstone
Advanced Welding	Porterville High School	11–12	14	ROP	Capstone
Agricultural Mechanics	Porterville High School	11–12	29	ROP	Capstone
Applied Auto/Engine Design	Porterville High School	11–12	36	ROP	Capstone
Building Trades	Porterville High School	11–12	50	ROP	Capstone
Business Academy	Porterville High School	10–12	145	CPA	
Certified Nurses Assistant	Porterville High School	11–12	95	ROP	Capstone
CISCO Internet Working	Porterville High School	11–12	33	ROP	Capstone
Commercial Foods	Porterville High School	11–12	112	ROP	Capstone
Greenhouse Management	Porterville High School	11–12	66	ROP	Capstone
Health Science	Porterville High School	10–12	151	CPA	
Health/Hospital Occupations	Porterville High School	11–12	26	ROP	Capstone
Home Economics Related Academy	Porterville High School	10–12	104	CPA	
Retail Sales	Porterville High School	11–12	74	ROP	Capstone
Advanced Welding	Strathmore High School	11–12	14	ROP	Capstone
Desktop Publishing	Strathmore High School	11–12	18	ROP	Capstone

* 9-12 when academy reaches its 4th year; 9th grade only in first year.

¹ CPA = California Partnership Academy

ROP = Regional Occupational Program

NAF/PLTW = National Academy Foundation/Project Lead the Way



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District Profile:

VALLEJO CITY UNIFIED SCHOOL DISTRICT

Superintendent Dr. Mary Bull
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District Demographics

Total High School Enrollment	4,874	Ethnic Breakdown:	
Number of High Schools	3 comprehensive 1 continuation	African-American	35.6%
Free- and Reduced-price Lunch Eligible	50.7%	Asian/Pacific Islanders	27.6%
English Language Learners	16.5%	Caucasian (non-Hispanic)	11.25%
		Hispanic/Latino	24.8%
		Other	0.7%

Industry Sector/Pathways Offered

- Arts, Media, and Entertainment
- Business and Finance
- Building and Environmental Design
- Public Service

District Long Range Vision

Vallejo City USD has the vision of implementing at least 9–12 multiple pathways throughout the district at the high school level. The goal is by 2011, the students in Vallejo CUSD will be able to exercise their options to select a college and career pathway based on their interests. This will allow students to choose a pathway that may not be in their attendance area, but in which they choose to enroll that will engage and lead them into further study and work related skills.

The development of multiple pathways will be the catalyst in designing small learning communities where the same group of students enrolled in the pathway and adults teaching and working in the career pathway have a common vision and expectation for academic and career related success.

District Profile: VALLEJO CITY UNIFIED SCHOOL DISTRICT

Pathway Program	School Name	Grade Levels	Enrollment	Structure	Description
Pre-Engineering	Vallejo High School	10–12	80–100		2nd year
Construction Technology	Vallejo High School	9–12	110		1st year
Bio-Technology	James Hogan High School	10–12	100	CPA	2nd year
Hospitality	James Hogan High School	9–12	120		1st year
Arts, Media, and Entertainment	James Hogan High School	9–12	80		1st year
Law & Criminal justice	Jesse Bethel High School	10–12	60		1st year