



Fall 2009 Work in Progress

Coalition Members Are Promoting Multiple Pathways

Many Coalition partners have invested substantial organizational resources to promote pathway development and expansion. Efforts range from policy and research to curriculum development and local pathway implementation. As of October 2009, more than 60 Coalition members are contributing to the projects described below.

Building Awareness

Project Description

Coalition Members Involved

Communications Planning for the Field

Under the leadership of the James Irvine Foundation, Coalition members have provided input on a communications plan for the field that will offer strategies for building awareness about multiple pathways. The group also has debated the merits of adopting a new name for the field.

- California Department of Education
- ConnectEd: The California Center for College and Career
- Los Angeles Area Chamber of Commerce
- National Academy Foundation
- PACE
- UCLA/IDEA
- United Way of Greater LA

Multiple Pathway Feasibility Report: AB 2648 Implementation

The California Department of Education in coordination West Ed is completing the draft multiple pathway feasibility report pursuant to AB 2648. The Department is required to develop a feasibility plan for expanding pathway options for students throughout the state. The plan is due December 2009.

- California Department of Education
- WestEd

Beyond Tracking: Multiple Pathways to College, Career and Civic Participation

Published by Harvard Press,

Published by Harvard Press, *Beyond Tracking: Multiple Pathways to College Career and Civic Participation* is an expert collection of research essays that examine how a multiple pathways approach to high school education can serve the educational, economic, and democratic purpose of schools. This collection examines the promises and the challenges of implementing an approach that prepares all students for both college and careers.

- UCLA's Institute for Democracy, Education and Access



COALITION FOR MULTIPLE PATHWAYS

Regional Economic Association Leaders (REAL) Coalition

Regional Economic Association Leaders (REAL) Coalition The Regional Economic Association Leaders (REAL) Coalition is composed of 17 of California's most influential business associations throughout the state, representing over 11,000 employers and more than 3 million California jobs. Newly formed in 2008, the purpose of the coalition is to address and advocate for important issues of common concern to participating organizations. Multiple pathway development, education, and workforce development are critical issues for REAL.

- Bay Area Council
- Los Angeles Area Chamber of Commerce
- Orange County Business Council
- San Diego Regional Chamber of Commerce

Regional Educational Collaboratives

ABC and the United Way of Greater LA continue to convene community partners from regional collaboratives to work with selected academies at local high schools to develop various components of the multiple pathway programs such as work-based learning opportunities and integrated curriculum. Community partners are also leading on-going multiple pathway public awareness efforts at the school-site for faculty, parents and students.

- Alliance for a Better Community
- United Way of Greater Los Angeles



COALITION FOR MULTIPLE PATHWAYS

Research and Policy

Project Description

Coalition Members Involved

Creating Successful Multiple Pathways: Useful Research for Educators and Policymakers

UCLA's IDEA is conducting 10 case studies of schools and programs that have demonstrated successful implementation of the multiple pathways approach or have taken preliminary and promising steps towards full implementation. Using a mixed-methods approach, IDEA researchers will provide clear examples of how each school enacts MP principles, including their strategy and results. The 10 research sites, located throughout California, represent many issues that schools are likely to face when implementing multiple pathways. Taken together, these schools/programs represent a large enough sample to help shape the way policymakers, education leaders, and the public think about multiple pathways, guide new policies that can create the conditions for successful multiple pathway schools, and inform educators' on-the-ground implementation.

- UCLA's Institute for Democracy and Education and Access (IDEA)

ConnectEd Demonstration Sites/ _____ Report

ConnectED completed collection of data last spring. The report on the sites is now available.

- ConnectEd: The California Center for College and Career

Teachers and Multiple Pathways

CFTL is conducting a two-year original research project on high school reform efforts in California and the implications for the teacher development system.

- The Center for the Future of Teaching and Learning (CFTL)

Development of Policy and Position Papers

Several Coalition partners, including ACSA, PACE, and the California Education Round Table have released policy and position papers that support multiple pathways.

- Association of California School Administrators (ACSA)
- California Education Round Table
- Policy Analysis for California Education (PACE)

Pathway Cost Analysis

PACE has conducted an empirical analysis of the costs involved in starting up and operating multiple pathways in California high schools.

- Policy Analysis for California Education (PACE)



Curriculum Development

Project Description

Coalition Members Involved

Green Curriculum

Along with the California Department of Education, and the Career Academy Support Network, ConnectEd is currently surveying the field to identify and conduct a gap analysis of high-quality curriculum appropriate for academies incorporating green themes into their instruction. The California Department of Education is also sponsoring school-based development of new green curriculum within the Green CPAs.

- California Department of Education
- Career Academy Support Network
- ConnectEd: The California Center for College and Career

Pre-Algebra Curriculum

In partnership with the National Academy Foundation, ConnectEd has developed 4 pre-algebra units and 6 algebra 1 units that teach and reinforce fundamental math skills and understanding through designing and building engineering-themed projects. The pre-algebra units are intended for use as a bridge curriculum between grades 9 and 10, to bolster students' math skills prior to entering high school. The algebra 1 units are drop-in units that can supplement or replace existing chapters from a traditional algebra 1 text. These units are in use in several districts around the state.

- National Academy Foundation
- ConnectEd: The California Center for College and Career
- ARCHES
- San Diego Unified

Engineering Curriculum

In partnership with the National Academy Foundation, ConnectEd is developing 10 standards-based integrated units of instruction for math, science, history, and English teachers working in engineering and architecture pathways. These curriculum units integrate directly with the design projects that are part of the Project Lead the Way, Inc. Pathway to Engineering Curriculum, and are in use in several districts around the state.

- ConnectEd: The California Center for College and Career
- National Academy Foundation
- LAUSD
- Porterville Unified
- Sacramento Unified
- San Diego Unified
- San Francisco Unified

Arts, Media, and Entertainment Curriculum

In partnership with the Education Development Center, ConnectEd is overseeing the development of a four-year interdisciplinary arts, media, and entertainment curriculum. This curriculum provides an inquiry-oriented, project-based foundation for students to pursue an interest in a design and visual arts pathway. The first phase of this work is a two-course sequence that addresses CTE standards for grades 9 and 10, and also provides integrated standards-based connections to English language arts, math, science, and social studies.

- ConnectEd: The California Center for College and Career
- Pasadena Unified
- Porterville Unified
- San Diego Unified



COALITION FOR MULTIPLE PATHWAYS

Law and Social Justice Curriculum

In partnership with the Educational Development Center, the James Irvine Foundation, and the University of the Pacific, McGeorge School of Law, ConnectEd is developing a law and justice-themed program of study. This project will utilize a combination of law-themed curricular and instructional components to prepare students for both postsecondary education and successful career entry. Additional goals are to foster civic participation, help build an interest in law-related careers, and especially, address the acute and persistent lack of demographic diversity in the legal profession and related fields.

- ConnectEd: The California Center for College and Career
- Antioch Unified
- Oakland Unified



Curriculum Development—Continued

Project Description

Coalition Members Involved

Biomedical and Health Science Curriculum

In partnership with the National Academy Foundation and with support from the California Endowment, ConnectEd is developing a health science program of study for students interested in pursuing a career in the health sciences. Development of the initial first year foundation course is underway. This and future courses will incorporate the integrated curriculum already developed by ConnectEd where appropriate.

- ConnectEd: The California Center for College and Career
- California Endowment
- San Francisco Unified
- Porterville Unified
- Antioch Unified
- Stockton Unified

Applied Mathematics Curriculum

Coalition for Multiple Pathways members developed applied mathematics curricula to address one of the most intractable education problems we have—how to get students to succeed in early high school math. Two of these programs are designed as supplemental instruction, a critical element needed to support student success in pathway programs.

- Architectural Foundation of San Francisco
- ConnectEd: The California Center for College and Career
- East San Gabriel Valley Regional Occupational Program (member of California Association of Regional Occupational Centers and Programs)



Teacher, Counselor, Administrator Preparation

Project Description

Coalition Members Involved

New Teacher Preparation Programs

In May 2009, the first cohort of 25 credential candidates completed their Single Subject Credential with a multiple pathways lens at San Diego State University. Two new cohorts of approximately 25 each began the program in fall 2009. In collaboration with schools in San Diego Unified School District, candidates are guided through fieldwork experiences in multiple pathways programs. Currently, three additional California State University Campuses (Sacramento, Fresno, and San Bernardino) have begun similar programs in collaboration with San Diego State University. Two other teacher preparation institutions in California will join the network in January, and ConnectEd is soon launching a web-portal as an online source of materials and opportunities for collaboration among faculty, students, and schools that are a part of this initiative.

- California State University San Diego
- ConnectEd: The California Center for College and Career

Commission on Teacher Credentialing

Pursuant to the Legislature's request, the CTC will conduct a report on the current administrative credential to examine methods it can support "transformative leadership," that includes the leadership that can develop and sustain pathways.

- UCLA IDEA
- LA Chamber



COALITION FOR MULTIPLE PATHWAYS

Pathway Expansion

Project Description

Coalition Members Involved

New Energy Academies Program

In partnership with the Pacific Gas and Electric company, the Department of Education launched a “green energy” themed high school program. The New Energy Academy program is currently going through its first year of planning focusing on curriculum planning and teacher development. The selected schools are: Berkeley High School (Berkeley); Edison High School (Fresno); Foothill High School (Sacramento); Independence High School (Bakersfield); and Venture Academy (Stockton).

- California Department of Education

Elk Grove Unified

For the past several years, Elk Grove USD has partnered with the California Department of Education (CDE) to adapt an academy certification process created by the National Career Academy Coalition (NCAC). District leadership currently serves on the Pathway Certification Design Team coordinated by ConnectEd to inform the certification process that will be piloted through 2011.

- Elk Grove Unified

Oakland Unified

Oakland USD has contracted with ConnectEd to go through the planning process that 10 other districts completed earlier this year. The district has over a dozen academies and themed small schools that lay a strong foundation for building a system of multiple pathways.

- Oakland Unified
- ConnectEd

Grossmont Unified

Grossmont USD continues to pursue a pathways approach to high school transformation. Superintendent Bob Collins was a panelist at a recent ACSA conference session titled “Superintendents’ Perspectives on Multiple Pathways.”

- Grossmont Unified

Los Angeles Unified School District

LAUSD passed the Multiple Pathway resolution requiring pathways to be developed in each sub-district by 2016. The district is currently evaluating existing themed small learning communities to determine which sites throughout the district are mature enough to advance towards pathway implementation.

- LAUSD
- Los Angeles Chamber
- United Way of Greater LA
- Alliance for A Better Community



COALITION FOR MULTIPLE PATHWAYS

California Multiple Pathway District Initiative

Many California school districts have committed to expand pathway options for their students in an effort to raise student achievement and increase graduation and postsecondary transition rates.

With funding from the James Irvine Foundation, ConnectEd has awarded 2-year implementation grants of over \$1M each to six districts: Antioch USD, Long Beach USD, Pasadena USD, Porterville USD, Sacramento USD, and West Contra Costa USD. Each district is using their implementation plan developed during the planning phase to guide its work. In addition to building their district level infrastructure to support a system of pathways, each district is expected to bring four of their pathways to a level of quality marked by certification by the end of the second year.

- ConnectEd: The California Center for College and Career
- Antioch Unified*
- LAUSD District 4*
- Long Beach Unified*
- Montebello Unified*
- Pasadena Unified*
- Porterville Unified*
- Sacramento Unified*
- San Diego Unified*
- Stockton Unified*
- West Contra Costa Unified*

Expansion of Career Academies

CASN, NAF and CDE promote and support the expansion and improvement of career academies. They each provide a range of support services, including technical assistance on grant-writing, coaching to help academies overcome programmatic challenges, professional development, and publication of helpful resources. In the next year, funding is available to approve 123 additional California Partnership Academies, bringing the total to over 500 statewide.

Coalition for Multiple Pathways partners and others are working on the expansion of Academies of Engineering (AOE) in California high schools. The six new academies opening in fall 2008 will follow NAF's successful academy model, utilize the highly regarded pre-engineering curriculum developed by Project Lead the Way, and incorporate ConnectEd's integrated units of instruction to bring the theme of engineering to math, science, history, and English courses. Workforce development investments by Verizon and other corporate leaders fund this initiative.

- California Department of Education (CDE)
- Career Academy Support Network (CASN)
- ConnectEd: The California Center for College and Career
- National Academy Foundation (NAF)
- Verizon



COALITION FOR MULTIPLE PATHWAYS

Additional Regional Pathway Expansion – Los Angeles

Project Description

Coalition Members Involved

Education Consortium of San Diego County

Coalition members created the consortium to bring together school administrators, civic leaders, teachers, parents, students, community advocates, workforce partners, and philanthropists to engage in collaborative actions that prepare students at all levels of education to enter the workforce and succeed in life.

- ACLU- San Diego
- BIOCUM

Los Angeles Partnership for Multiple Pathways

The Los Angeles Partnership for Multiple Pathways continues to promote pathway expansion in the Los Angeles Unified School District. The partnership is actively working to implement the LAUSD multiple pathway resolution, and build public awareness and support for implementing pathways at LA high schools.

- ACLU of Southern California
- Alliance for a Better Community
- Applied Research Center
- CD Tech
- Community Coalition
- Hispanas Organized for Political Equality
- LA Chamber of Commerce
- National Academy Foundation
- UCLA/IDEA
- United Way of Los Angeles
- Unite-LA
- Los Angeles Education Partnership

Triple Crown Initiative

CD Tech, the Los Angeles Chamber of Commerce, and others are supporting the Triple Crown Initiative serving students at Santee Education Complex in South Los Angeles. In this initiative, students will enroll in Public Service and Social Justice; Trade; Tourism; and Culinary Arts pathways and graduate from high school with a “triple crown:”

- CD Tech
- LA Chamber of Commerce
- Urban Education Partnership

1. High school diploma preparing students to apply to CSU and UC;
2. Technical certificate and/or associate’s degree from Los Angeles Trade-Technical College; and
3. Life skills certificate (issued by the Chamber of Commerce or other partners in workforce readiness, computer literacy, financial leadership, and other areas.)



COALITION FOR MULTIPLE PATHWAYS

Los Angeles Regional Pathway Expansion—Continued

Project Description

Coalition Members Involved

Youth Workforce and Development Alliance/ ACE Academy at Locke High School

Community Coalition launched the campaign to create pathways out of poverty by building pathway programs in South Los Angeles high schools that connected students to jobs that offered living wages, health benefits, and union protection. Community Coalition has been leading the Youth and Workforce Development Alliance, a coalition of business, labor, and community groups that successfully established the Architecture, Construction, and Engineering Academy at Locke High School.

- Community Coalition
- Alliance for A Better Community
- UCLA/IDEA