

Draft



Mt. Diablo Unified School District

Preparing Students for College and Careers

**Presentation to
MDUSD Board of Education
June 3, 2013**

Mt. Diablo Unified School District

Preparing Students for College and Careers

Career Integrated Academics Vision

All Mt. Diablo Unified School District students will have a wide range of opportunities to participate in rigorous and relevant learning experiences throughout their education, which will lead them to graduation from high school with the knowledge, skills, values, aspirations, motivation and confidence to succeed in their career endeavors and become independent and contributing members of their community.

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Preparing Students for College and Careers

Linked Learning Model Guiding Principles

1. Pathways prepare students for postsecondary education *and career—both objectives, not just one or the other.*

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Linked Learning Model Guiding Principles

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2. Pathways lead to a full range of postsecondary and career opportunities by eliminating tracking and keeping all options open after high school.

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Linked Learning Model Guiding Principles

1. Pathways prepare students for postsecondary education *and* career—*both objectives, not just one or the other.*
2. Pathways lead to a full range of postsecondary and career opportunities by eliminating tracking and keeping all options open after high school.
3. Pathways connect academics to real-world applications by integrating challenging academics with a demanding technical curriculum.

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Linked Learning Model Guiding Principles

1. Pathways prepare students for postsecondary education *and* career—*both objectives, not just one or the other.*
2. Pathways lead to a full range of postsecondary and career opportunities by eliminating tracking and keeping all options open after high school.
3. Pathways connect academics to real-world applications by integrating challenging academics with a demanding technical curriculum.
4. Pathways improve student achievement.

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Linked Learning Core Components

1. A challenging academic component prepares students for success without remediation—in postsecondary programs. Pathways complement traditional learning with project-based instruction that links to real-world applications.

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Linked Learning Core Components

1. A challenging academic component prepares students for success without remediation—in postsecondary programs. Pathways complement traditional learning with project-based instruction that links to real-world applications.
2. A demanding technical component delivers concrete knowledge and skills through a cluster of three or more technical courses.

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Linked Learning Core Components

3. A work-based learning component offers opportunities to learn through real world experiences that enhance classroom instruction.

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Linked Learning Core Components.

3. A work-based learning component offers opportunities to learn through real world experiences that enhance classroom instruction.
4. Support services include counseling and transportation as well as additional instruction in reading, writing, and mathematics to help students succeed with a challenging program of study.

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**Supports for MDUSD Pathway/Academy
Development**

- California Partnership Academy Model and Funding
- Project Lead the Way National Curriculum
- SB70 Career Pathway Development
- Carl Perkins Career Technical Education
Priorities
- School Site vision and commitment



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The Power of Partnerships

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The Power of Partnerships



**Chevron Funding and Program Development
Project Lead the Way Engineering**

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The Power of Partnerships



- Internships and Advisories:
 - BioMedical Academy Students at Mt. Diablo High School
 - Health Science Academy Students at Ygnacio Valley High School
 - Various Allied Health Career Training Students at Mt. Diablo Adult Education
- Host Annual Teacher Job Shadowing

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The Power of Partnerships

ROP



- Thirty-five courses provided in 2012-2013 at MDUSD high schools
- Supporting at Academy/Pathway Development
- Provide Business Advisories

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The Power of Partnerships



- Support interns from International Hospitality and Tourism Academy
- Advisory member for International Hospitality and Tourism Academy

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- Industry Sector Summer Camps
- Teacher/Industry Partner Sector Dialogue
- PLTW support and professional development

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SUNPOWER

- Developing renewable energy curriculum, in partnership with PLTW and Contra Costa Economic Partnership
- Provide a summer camp for students on solar energy
- Teacher training on renewable energy



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The Power of Partnerships



- Has conducted numerous tours for teachers to learn about the relevancy of manufacturing and engineering, including annual BEST Day
- Numerous fundraising events for specific schools

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GREATER CONCORD
Chamber of Commerce

- BEST Day: Teacher Job Shadowing Day with numerous local business/industry
- Business/Education Committee

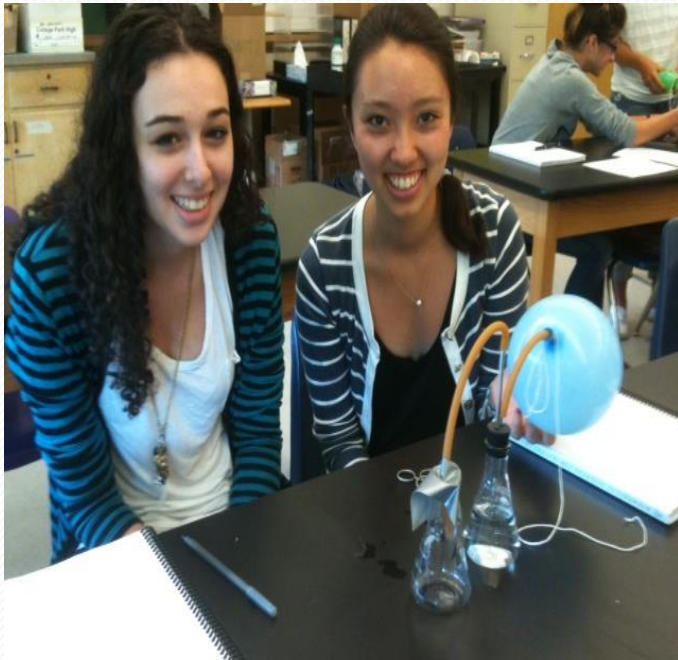


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Highlights from MDUSD

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Preparing Students for College and Careers

Health Science



- Project Lead the Way (PLTW)
BioMedical -
College Park High School
- BioMedical Academy –
Mt. Diablo High School
- Health Science Academy –
Ygnacio Valley High School
- Sports Medicine –
Northgate High School

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MultiMedia



- Video Production & Television Studio –
College Park High School
- Digital Safari Academy –
Mt. Diablo High School

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Art & Media Design



- 3D Modeling, Animation & Design -
Northgate High School
- Digital Photography
Sequences –
College Park, Ygnacio Valley,
Northgate High Schools

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Human Services



- Careers in Education Academy – Ygnacio Valley High School
- Human Services Academy – Concord High School
- Careers in Teaching sequence – Northgate High School

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Engineering, Construction & Manufacturing



- A.C.M.E. Academy: Construction Technology & PLTW Engineering – Mt. Diablo High School
- Construction & PLTW Engineering – Concord High School
- PLTW Engineering – Northgate High School

Construction Technology coming to Ygnacio Valley High School 2013 - 2014

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Delta Diablo Corridor Project

A Linked Learning Pilot Project

- Identifies MDUSD as implementing Linked Learning for possible future funding

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Preparing Students for College and Career

Delta Diablo Corridor Project

A Linked Learning Pilot Project

- Identifies MDUSD as implementing Linked Learning for possible future funding
- MDUSD develop stronger partnerships with local business, industry, higher education leaders

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Delta Diablo Corridor Project

A Linked Learning Pilot Project

- Share and learn best practices with partner districts

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Delta Diablo Corridor Project

A Linked Learning Pilot Project

- Share and learn best practices with partner districts
- Jointly identify need for policy changes to support Linked Learning experiences for students

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Preparing Students for College and Career

Delta Diablo Corridor Project

A Linked Learning Pilot Project

- Share and learn best practices with partner districts
- Jointly identify need for policy changes to support Linked Learning experiences for students
- Access professional development for implementing best practices in instructional methodology.

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Delta Diablo Corridor Project

A Linked Learning Pilot Project

- ***Antioch*** Unified
- ***Pittsburg*** Unified School District
- ***Mt. Diablo Unified*** School District

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Delta Diablo Corridor Project

A Linked Learning Pilot Project

PRIMARY INDUSTRY SECTOR:

Energy & Manufacturing

SECONDARY INDUSTRY SECTOR:

BioHealth

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Delta Diablo Corridor Project

A Linked Learning Pilot Project

- **Northgate High School** Project Lead The Way Engineering
- **Concord High School** Project Lead the Way Engineering Pathway
- **Mt. Diablo High School** ACME Academy/Project Lead The Way Engineering
- Ygnacio Valley High School - developing