EAST BAY CAREER PATHWAYS
OCTOBER 2, 2014

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Working Group Members
CLP and CCASN
Technical Assistance and Professional Development

• Deliver professional development and training in pathway teams and workshops

• Facilitate action planning, help gain buy-in, spur systems reforms

• With ACOE direction, inform data and accountability structures and processes

• Provide information, research and tools, documentation

• Be a resource to CPT i880 leadership/coordinator and college and k12 leadership
Student Outcomes

More students:

- Enrolled in pathways
- Enrolled dually or concurrently in high school and college
- Engaged in work-based learning
880 CPT: THREE (INTERCONNECTED) “BUCKETS” OF WORK:

- Successful Transitions
- Pathway Development
- Career Connections
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<tr>
<td>Pathways 101 (for District leadership new to pathways)</td>
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<td>October 2 AM: Launch PM: Regional Pathway Teams</td>
<td>Dec. 4 PM: Regional Pathway Teams</td>
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<td>Feb. 5 PM: Regional Pathway Teams</td>
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<td>May 7 AM: 680/880 PM: Regional Pathway Teams</td>
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<td>WBL Forum?</td>
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<td>AM: Regional Transition Teams</td>
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<td>Data Forum</td>
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**Local Transition Work:**
- Student Supports
- Placement/Remediation
- Dual Enrollment

**Local Pathway Work:**
- Eng/Manuf
- ICT/DM
- Health Science
- Public Service
Promising Practices

Mark Frey
Skyline High School

Maeve Katherine Bergman
Director of Special Projects and Career Technical Education
Berkeley City College
ICT/Digital Media Pathways Inventory

Please send inventory edits and corrections to:

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Colleges and high schools *locally*:

- Deepen K12-college connections
- Get more students enrolled by starting/expanding college and career *pathways*
- Improve pathway quality by:
  - Aligning K-12/college curricula
  - Increasing and integrating work-based learning and credit-based internships
- Transitioning more students to college
  - Enroll students early (dually/concurrently)
  - Better remediation, improved academic placement
  - Improve matriculation, outreach, exposure
Colleges and high schools *regionally*:

- Learn practices from peers, experts and local teams to begin, improve, expand pathways
- Hear and respond to industry needs
- Inventory and action planning
- Move progressively towards taking action on issues to be addressed regionally (and/or sub-regionally/locally)
- Learning Communities
Online Evaluation

https://www.surveymonkey.com/s/CPT-EB-1
FOR MORE INFORMATION:
FOR MORE INFORMATION:

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Evan.j.decker@gmail.com
End of Presentation

• Slides that follow this one can be used if needed but are not included in the presentation
East Bay I-80/880 Pathway Consortium

Executive Steering Committee

East Bay Consortium Working Group

LEAs
Alameda, Albany, Berkeley, Castro Valley, Emery, Hayward, Leadership Public High Schools, Oakland, Piedmont, San Leandro, San Lorenzo, West Contra Costa

WIB’s
Alameda County, Oakland, Richmond, Contra Costa County

RPs
Eden Area ROP, Contra Costa County Office of Education (ROP)

Peralta Admin.
Support

TA Providers
CLP, CCASN, ACOE, ConnectEd

Higher Ed. Partners
- CSU East Bay
- East Bay STEM Network
- UC Berkeley
- UCCI
- Lawrence Hall of Science

Community Colleges
- Contra Costa College
- Contra Costa College District (PCCD)
- Merritt College
- Contra Costa College
- Chabot College

Community Partners
- Representatives from key, pathway-specific CBO’s & youth development organizations

LEAs
- LEA career pathways coordinators
- Core academic and CTE faculty
- High school counselors
- WBL Coordinators
- Data support personnel

Community Colleges
- Campus Project Coordinators
- Pathway lead CTE faculty
- Career Coaches
- Employment Dev. Specialists
- Counselors
- College Math & English faculty
- Data support personnel

Business Partners
- Designated staff for pathway development work & defining WBL experiences

Intermediary
- Coordinate industry partner involvement in industry skills mapping, pathway development, curriculum design, work-based learning planning
- Clearinghouse for region-wide, equitable allocation of work-based learning opportunities
- Convene Advisories for each pathway sector

PCCD & ACOE
Data Support

TA Providers
- Action Team work organized and facilitated by Career Ladders & CCASN

Community Partners
- K-14 pathway mapping/course development
- Curriculum integration & alignment (dual)

Community Partners
- Industry skills mapping
- Work-based learning sequences

Community Partners
- 9-14 assessment, remediation, placement strategies
- Multiple measures

Local and Regional Faculty Action Teams

CLP
College & Career Academy Support Network
UNIVERSITY OF CALIFORNIA • BERKELEY • IRVINE
Information and Communication Technologies (ICT):

A Strategic Economic and Workforce Development Priority
ICT Workforce Demand in the Greater San Francisco Bay Area*

In 2012, ICT industries, the 2\textsuperscript{nd} largest employers in the Bay Area, accounted for:

- 16,360 establishments, 8.7\% of the total number of firms in the Bay Area
- 411,335 employees, 10.2\% of total industry employment in the SF Bay Area, > 1 in 10 jobs
- 7.3\% employment growth, 32,455 net new jobs, between 2012 and 2015,
- 17.2\% of the overall employment growth expected for all Bay Area industry employment.

*MPICT (2014) ICT Demand and Supply Issues and Opportunities in the Greater San Francisco Bay Area
ICT Occupations

- ICT Workforce doesn’t just work for ICT industry employers.
- ICT Workforce is strategically essential to most organizations, across all industries
- ICT enables increasing productivity from all workforce and many strategic efforts of all business functions.
- ICT Workforce demand in the Bay Area is large and growing.

In 2012, ICT Workforce in the Bay Area accounted for:
- 333,229 people employed, 8.3% of all Bay Area employees (about 1 in 12 jobs)
- Median annual salaries of about $90,000

Between 2012 and 2015*, ICT Occupations expect:
20,297 net job growth (6.1%)
21,178 total replacement jobs
43,054 total job openings (8.2% of all job openings)

*MPICT (2010) Phase 2 Environmental Scan Information and Communications Technologies (ICT) ICT Industry and Employment Outlook
**East Bay ICT Job Growth**

East Bay Primary ICT Occupations are expected to have 6,185 job openings, 2,061 annually, between 2012 and 2015. 1,951 of those are net job growth, and 4,234 are replacement jobs.

<table>
<thead>
<tr>
<th>Top 5 Primary ICT Occupations by Total Openings 2012-2015 in the East Bay</th>
<th>% of Total ICT Openings in the East Bay</th>
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<tbody>
<tr>
<td>Software Developers, Applications</td>
<td>716</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>688</td>
</tr>
<tr>
<td>Computer User Support Specialists</td>
<td>594</td>
</tr>
<tr>
<td>Software Developers, Systems Software</td>
<td>532</td>
</tr>
<tr>
<td>Network and Computer Systems Administrators</td>
<td>431</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>2,961</strong></td>
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*MPICT (2014) ICT Demand and Supply Issues and Opportunities in the Greater San Francisco Bay Area*
East Employers Need More ICT Workers

East Bay Top Primary ICT Occupations by 30 Day Online Job Ads in Burning Glass*

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Number</th>
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<tbody>
<tr>
<td>Software Developers, Applications</td>
<td>1,824</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>991</td>
</tr>
<tr>
<td>Computer User Support Specialists</td>
<td>734</td>
</tr>
<tr>
<td>Database Administrators</td>
<td>526</td>
</tr>
<tr>
<td>Network &amp; Computer Systems Administrators</td>
<td>427</td>
</tr>
<tr>
<td>Software Quality Assurance Engineers &amp; Testers</td>
<td>399</td>
</tr>
<tr>
<td>Computer Systems Engineers/Architects</td>
<td>374</td>
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<tr>
<td>Business Intelligence Analysts</td>
<td>352</td>
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<tr>
<td>Web Developers</td>
<td>316</td>
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<tr>
<td>Information Technology Project Managers</td>
<td>283</td>
</tr>
<tr>
<td>Medical Records &amp; Health Information Technicians</td>
<td>251</td>
</tr>
<tr>
<td>Computer &amp; Information Systems Managers</td>
<td>198</td>
</tr>
<tr>
<td>Software Developers, Systems Software</td>
<td>187</td>
</tr>
<tr>
<td>Document Management Specialists</td>
<td>113</td>
</tr>
<tr>
<td>Graphic Designers</td>
<td>109</td>
</tr>
<tr>
<td>Information Security Analysts</td>
<td>100</td>
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*MPICT (2014) ICT Demand and Supply Issues and Opportunities in the Greater San Francisco Bay Area
**Economic and Social Impacts**

Half of California employers report difficulty finding appropriately skilled ICT Workforce, even in this recent period of high unemployment.*

We need to be able to grow the ICT Workforce needed by Bay Area ICT industries and ICT Workforce employers right here in the Bay Area, for the benefit of our local economies, communities and citizens!

This an equity imperative. There is no way we are going to meet this demand unless there are strategies and effective programs that address each of the many segments of our diverse population, including women, Hispanics, blacks, poor, dislocated workers, veterans, etc.

K-14 public education is in the best position to address these issues and opportunities!

*MPICT (2010) Phase 2 Environmental Scan Information and Communications Technologies (ICT) ICT Industry and Employment Outlook*