From Hi-Fi to Wi-Fi: Shifting Gears and Learning to Earn

June 15, 2017

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WDQC Mission

- A project of the National Skills Coalition
- Advocate for inclusive, aligned and market-relevant education and workforce data that can help our nation’s human capital policies meet the challenges of a changing economy.
- Promote federal and state reforms for data systems that provide useful information for policymakers, students and workers, business leaders and educators.
  - State Blueprint with 13 key features of a high-quality data infrastructure
  - Address federal legislation, funding and technical assistance
  - Policy agenda developed by broad coalition of national organizations, state leaders and technical experts across education/workforce spectrum
State Officials Want to Know...

• Why is there a skills gap?

• Do education and training programs lead to credentials and jobs?

• How do education and training programs work together to close the skill gap?

• How many more skilled workers do employers need?
State Workforce and Education Alignment Project (SWEAP)
SWEAP Data Tools

• Dashboards
• Pathway Evaluators
• Supply and Demand Reports
Dashboards show the performance of the system as a whole using a small number of common metrics.
• Pathway Evaluators show how programs and services do or don’t work together
Supply and Demand Reports identify skills gaps to better allocate resources.
SWEAP Data Tools from the States
### SWEAP Dashboards: California Workforce Training and Education Dashboard

<table>
<thead>
<tr>
<th>Ethnicity/Race (Other Demographic Characteristics)</th>
<th>Number of Records Sent</th>
<th>2 Quarters After Completion/Exit Date</th>
<th>4 Quarters After Completion/Exit Date</th>
<th>Quarterly Median Wage</th>
<th># Found</th>
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<th>Quarterly Median Wage</th>
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<tbody>
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<td>Black/African American</td>
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</table>
SWEAP Dashboards: California Strong Workforce Dashboard

**Strong Workforce Program Metrics**

- Number of course enrollments: 5,806
- Number of students who got a degree or certificate: 59
- Number of students who transferred: 282
- Employed in the second fiscal quarter after exit: 48%
- Employed in the fourth fiscal quarter after exit: 49%
- Job closely related to field of study: 100%
- Median earnings in the second fiscal quarter after exit: $9,578
- Median change in earnings: 41%
- Attained a living wage: 54%
SWEAP Pathway Evaluators: Mississippi Career Pathway Analyzer

**Highest Paying Pathway**

**Starting Condition**
- High School Graduate

**Interim Step**
- Degree Type: Bachelors Degree
- Major: Business Administration, Management and Operations

**Exit Condition**
- Employed in fields: Other Management Occupations

**Pathway Details**
- Total Time Required (Average): Coming Soon
- Employment Rate: Coming Soon
- Average Annual Earnings: $41,851.90
- Retention Rate: Coming Soon
- Participants: 35 individuals
- Skill Gains: Coming Soon
SWEAP Pathway Evaluators: Mississippi Career Pathway Constructor
### Supply & Demand for New Workers 2016

<table>
<thead>
<tr>
<th>Selected in Demand Fields of Study</th>
<th>Supply</th>
<th>Demand</th>
<th>Gap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical Nursing, Vocational Nursing &amp; Nursing Assistants</td>
<td>65</td>
<td>443</td>
<td>378</td>
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<tr>
<td>Precision Metal Working</td>
<td>5</td>
<td>240</td>
<td>235</td>
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<tr>
<td>Computer &amp; Information Sciences, General</td>
<td>94</td>
<td>318</td>
<td>225</td>
</tr>
<tr>
<td>Human Development, Family Studies, &amp; Related Services</td>
<td>152</td>
<td>335</td>
<td>183</td>
</tr>
<tr>
<td>Computer Engineering Technologies/Technicians</td>
<td>21</td>
<td>199</td>
<td>178</td>
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<tr>
<td>Computer/Information Technology Administration &amp; Management</td>
<td>21</td>
<td>192</td>
<td>171</td>
</tr>
<tr>
<td>Mental &amp; Social Health Services &amp; Allied Professions</td>
<td>22</td>
<td>170</td>
<td>148</td>
</tr>
<tr>
<td>Computer Science</td>
<td>136</td>
<td>276</td>
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<tr>
<td>Computer Engineering</td>
<td>23</td>
<td>161</td>
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<tr>
<td>Information Science/Studies</td>
<td>13</td>
<td>143</td>
<td>130</td>
</tr>
<tr>
<td>Computer Programming</td>
<td>62</td>
<td>264</td>
<td>122</td>
</tr>
<tr>
<td>Health &amp; Medical Administrative Services</td>
<td>185</td>
<td>307</td>
<td>122</td>
</tr>
</tbody>
</table>
SWEAP Supply and Demand Reports: Ohio Workforce Supply Tool

Workforce Supply

Occupation

JobsOhio Region

Statewide

About | Occupation | Workforce Supply | Graduating Institutions | Data Details

Total graduates - State-wide

Graduates come from the following programs:
- Welding Engineering Technology/Technician
- Welding Technology/Technician

Unemployment claims for this occupation

OhioMeansJobs Talent Report

Talent reports include the number of corresponding resumes by skills and educational attainment linked to Welders, Cutters, Solders, and Brazeurs. Other criteria also can be searched, such as years of experience, job type (full or part-time), veteran status and others. In addition, Ohio businesses can register to “Search Talent” on OhioMeansJobs and select from millions of resumes to find promising candidates with the specific skills and qualifications they need. Please refer...
Policy Impacts

- **CA**: “Strong Workforce Program” performance funds

- **MS**: Vetting Credentials

- **OH**: Business recruitment, and planning higher education investments

- **RI**: Performance funding for high demand postsecondary fields
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