Learning for Careers: The Pathways to Prosperity Network

An AYPF and JFF Capitol Hill Forum

Friday, December 1, 2017
#PtoPNetwork

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@jfftweets  @DelmarvaConnect
@hgse  @DrMarkBrainard
Learning for Careers: The Pathways to Prosperity Network

AMERICAN YOUTH POLICY FORUM
WASHINGTON, DC
DECEMBER 1, 2017
“The American system for preparing young people to lead productive and prosperous lives as adults is clearly badly broken. Failure to aggressively overcome this challenge will surely erode the fabric of our society.”

Harvard Graduate School of Education, 2011
OUR VISION FOR TRANSFORMING OUTCOMES

Students
- Middle and high school success
- Postsecondary success
- Career and community success

Employers
- Skills gap/talent shortage addressed
- Pipeline of young professionals
- Increasing number of jobs

Economies
- State and regional economies thriving and growing in key industry sectors; providing upward mobility

JOBS FOR THE FUTURE

HARVARD GRADUATE SCHOOL OF EDUCATION
KEY IMPLEMENTATION LEVERS

Engaged employers: work-based learning opps. & curricula support

Intermediary links between education & employers

Early, sustained information, awareness, & exposure

Committed state leaders & favorable policy environment

Rigorous Academic & Career Grades 9-14+ Pathways
Few know the opportunities and salaries
Paths must be carefully chosen to ensure mobility
Solving real-world problems facing businesses
High-tech driven in occupations such as agribusiness and agriscience

Cross-cutting and key to all 21st century careers, not just in IT fields
Financial literacy is a foundational skill for all sectors and occupations

MOST PREVALENT INDUSTRY SECTORS

IT
Health Careers
Advanced Manufacturing
Logistics
Finance
Agriculture

PATHWAYS TO PROSPERITY

JOBS FOR THE FUTURE
HARVARD GRADUATE SCHOOL OF EDUCATION
Complete high school with at least 12 college credits and work-based learning experience

Attain postsecondary credential with value in regional labor market

ALL YOUNG PEOPLE: COLLEGE AND CAREER

Advance in career and pursue further education as interested

Launch a career in a high-demand, high-growth, high-wage occupation

OUR GOAL: SYSTEMS OF GRADES 9-14+

COLLEGE AND CAREER PATHWAYS
“Why do so many young Americans struggle to find their place in the world of work?...Valuable for policy-makers is that this book examines key implementation levers, through which governments can facilitate genuine engagement of employers and intermediate organisations, that are so critical to success. All in all, the book is a story of how career and technical education can be elevated from a last resort to a first choice for young people.”

-Andreas Schleicher
Director for Education and Skills, OECD
<table>
<thead>
<tr>
<th>Career Cluster</th>
<th>% of Middle Skill Jobs</th>
<th>% of High Skill Jobs</th>
<th>Growth Rate</th>
<th>Average Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Delaware</td>
<td>33%</td>
<td>29%</td>
<td>8.1%</td>
<td>$49,520</td>
</tr>
<tr>
<td>Health Science</td>
<td>37%</td>
<td>49%</td>
<td>15.4%</td>
<td>$63,320</td>
</tr>
<tr>
<td>Information Technology</td>
<td>25%</td>
<td>75%</td>
<td>13.2%</td>
<td>$86,953</td>
</tr>
<tr>
<td>Human Services</td>
<td>24%</td>
<td>42%</td>
<td>13.1%</td>
<td>$34,850</td>
</tr>
<tr>
<td>Architecture &amp; Construction</td>
<td>52%</td>
<td>10%</td>
<td>12.7%</td>
<td>$48,452</td>
</tr>
<tr>
<td>Education &amp; Training</td>
<td>7%</td>
<td>93%</td>
<td>10.2%</td>
<td>$55,372</td>
</tr>
<tr>
<td>Finance</td>
<td>36%</td>
<td>50%</td>
<td>9.2%</td>
<td>$72,418</td>
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<tr>
<td>Hospitality &amp; Tourism</td>
<td>35%</td>
<td>&lt;5%</td>
<td>8.9%</td>
<td>$23,957</td>
</tr>
</tbody>
</table>

Source: Delaware Department of Labor, Employment Projections & Wage Data, 2016
Delaware Pathways Student Participation, School Years 2014-15 to 2017-18

Delaware Pathways Participation Profile, School Year 2016-17

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Subgroup Number</th>
<th>Subgroup Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Students</td>
<td>4,922</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Gender</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>2,049</td>
<td>42%</td>
</tr>
<tr>
<td>Male</td>
<td>2,873</td>
<td>58%</td>
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<tr>
<td><strong>Race/Ethnicity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hispanic</td>
<td>656</td>
<td>13%</td>
</tr>
<tr>
<td>African American</td>
<td>1,558</td>
<td>32%</td>
</tr>
<tr>
<td>White</td>
<td>2,349</td>
<td>48%</td>
</tr>
<tr>
<td>Asian</td>
<td>200</td>
<td>4%</td>
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<tr>
<td>Multiracial</td>
<td>132</td>
<td>3%</td>
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<tr>
<td>Other</td>
<td>27</td>
<td>&lt;1%</td>
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<tr>
<td><strong>Special Populations</strong></td>
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<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>593</td>
<td>12%</td>
</tr>
<tr>
<td>EL</td>
<td>135</td>
<td>3%</td>
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<tr>
<td>Low Income</td>
<td>1,242</td>
<td>25%</td>
</tr>
</tbody>
</table>

*Projected Participation (students earning credit)

Source: Delaware Department of Education, Enrollment & Transcript Data, 2017
PRIORITY AREAS

Delaware Department of Education
Build a career preparation system that aligns to the state and regional economies

Delaware Technical Community College
Scale and sustain meaningful work-based learning experiences

Delaware Department of Labor
Integrate our education and workforce development efforts

United Way of Delaware & Rodel Foundation
Coordinate financial support across various sectors

Delaware Workforce Development Board
Engage employers, educators, and service providers
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