PERKINS

reTHINKing
Our Investments in
Secondary and Postsecondary Career
and Technical Education

Office of Career, Technical, and Adult Education
U.S. Department of Education
SECONDARY/POSTSECONDARY SPLIT

• How a state chooses to divide its allotment under the Carl D. Perkins Career and Technical Education Act between secondary and postsecondary education is one of the most important decisions the state will make in implementing Perkins V.
• What are some guiding questions that can help inform this decision?
• How can your state be intentional and strategic about that decision?
What outcomes does your state need your CTE system to produce?
What percent of high school students enroll in postsecondary education after graduation?

• In 2017, about **67 percent** of recent high school completers enrolled in postsecondary education by October of the year they completed high school, with 23 percent enrolling at a 2-year institution and 44 percent at a 4-year institution.

Does your 2-year enrollment meet your local needs for careers related to CTE?

What percentage of jobs require further learning after high school?

Educational Attainment of the U.S. Workforce (2016)

- Master's degree or higher: 8%
- Bachelor's degree: 13%
- Associate's degree/some college: 26%
- High school diploma: 23%
- Less than high school: 30%

Occupations that Require Some Postsecondary Education Are Projected to Grow Faster Than Average

Projected Change 2016-2026

- No formal educational credential: 6%
- High school diploma or equivalent: 5%
- Some college, no degree: 4%
- Postsecondary nondegree award: 11%
- Associate's degree: 11%
- Bachelor's degree: 10%
- Master's degree: 17%
- Doctoral or professional degree: 13%
- Total, all occupations: 7%

WHAT ABOUT JOBS THAT PAY WAGES THAT CAN SUPPORT A FAMILY?

• According to the Georgetown University Center on Education and the Workforce, in 2016 there were 29 million “good jobs” in our economy that did not require a bachelor’s degree.
  • “Good jobs” pay at least $35,000 ($17 per hour) for those under age 45 and at least $45,000 ($22 per hour) for workers age 45 or older.
• 55 percent of these jobs were held by workers with some postsecondary education below a bachelor’s degree.
• 45 percent of these jobs were held by workers with a high school diploma or less.

Does your CTE investment strategy support workforce development?
WHAT PERCENTAGE OF OUR WORKFORCE WILL NEED TO UPSKILL OR RETRAIN?

• The youngest of the Baby Boomers (born 1957-64) changed jobs 11.9 times between their 18th and 50th birthdays.
• Even during their 30’s, a significant number of these adults had short duration jobs. Among jobs started by 35 to 44 year olds, 36 percent ended in less than a year and 75 percent ended in less than 5 years.
• Should we expect Generation X, Millennials, and Generation Z to change jobs at least as frequently as their predecessors?

WHAT IS THE STATE STRATEGY IN UPSKILLING OR RETRAINING ADULTS?
The McKinsey Global Institute predicts that the increased use of robotics and artificial intelligence by industry may require one-third of the U.S. workforce to change occupations by 2030, particularly workers in jobs that require a high school diploma or less.

“…many of the middle-income jobs of the past that required only a secondary education or less, and minimal training, will likely face significant displacement in an automated world.”

Where are the funding gaps in our state’s education and training?
WHERE ARE THE FUNDING GAPS IN OUR STATE’S SYSTEM OF EDUCATION AND TRAINING?

- In 2015-16, states spent nearly $3,000 more per elementary and secondary education student than they spent per community college student.

<table>
<thead>
<tr>
<th>State Revenue Per Student</th>
<th>State Appropriations Per FTE,</th>
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</thead>
<tbody>
<tr>
<td>Elementary and Secondary</td>
<td>Community and Technical</td>
</tr>
<tr>
<td>Student Membership</td>
<td>Colleges</td>
</tr>
<tr>
<td>2015-16</td>
<td>2015-16</td>
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<tr>
<td>$6,328</td>
<td>$3,543</td>
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</tbody>
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WHERE ARE THE MOST STRATEGIC LOCATIONS FOR HIGH-COST EQUIPMENT?
As the cost of the equipment needed to prepare students for skilled occupations escalates, where are the most strategic locations for that equipment?

Sim Man 3G
$27,000-$60,000

Spot welding robot with controller  $13,900 +

SMAW welding training system $79,645
THANK YOU

- Please contact your Perkins program officer with any questions.