Working Together to Make Our Students Future Ready

2019 AASA / AACC Convening Washington, D.C.
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PEWAUKEE SCHOOL DISTRICT

- Serving 3000 Students
- About 300 Faculty & Staff
- 4 Schools on a Unique Campus Setting
- Utilize the Baldrige Framework for Performance Excellence for continuous improvement
- Demographics:
  - 7.4% Special Education
  - 11.9% Low Socioeconomic Status
  - 20.8% Non-White (7.7% Asian, primarily India)

WAUKESHA COUNTY TECHNICAL COLLEGE

- Serving 20,000 students/course-takers
- About 400 Faculty & Staff
- 2 campuses
- Associate of Applied Science, Technical Diploma, Apprenticeships, Certificates, Enrichment
- Demographics:
  - 51% Female; 49% Male
  - 20% Ethnic Minority
  - 28 Median Age
Good Neighbors
“The United States will face the dual challenge of connecting people with opportunities and preparing them to succeed.”

“In many of the roles with the highest displacement rates, more than 60 percent of workers do not have college degrees.”

“...the share of high-wage jobs could rise by 3.8 percentage points, reaching 34.2 percent of the workforce. This trend will require training and education for a large portion of the workforce.”

*The Future of Work in America: People and places, today and tomorrow*

McKinsey Global Institute, 2019
Future of Work

2030 Predictions

Automation and AI will accelerate the shift in skills that the workforce needs.

Based on McKinsey Global Institute workforce skills model

<table>
<thead>
<tr>
<th>Skills</th>
<th>United States, all sectors</th>
<th>Western Europe, all sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours worked in 2016 (Billion)</td>
<td>Hours worked in 2016 (Billion)</td>
</tr>
<tr>
<td>Physical and manual skills</td>
<td>90</td>
<td>113</td>
</tr>
<tr>
<td>Basic cognitive skills</td>
<td>53</td>
<td>62</td>
</tr>
<tr>
<td>Higher cognitive skills</td>
<td>62</td>
<td>78</td>
</tr>
<tr>
<td>Social and emotional skills</td>
<td>52</td>
<td>67</td>
</tr>
<tr>
<td>Technological skills</td>
<td>31</td>
<td>42</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>287</strong></td>
<td><strong>363</strong></td>
</tr>
</tbody>
</table>

NOTE: Western Europe: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Italy, Netherlands, Norway, Spain, Sweden, Switzerland, and the United Kingdom. Numbers may not sum due to rounding.

SOURCE: McKinsey Global Institute workforce skills model; McKinsey Global Institute analysis
“What lies ahead is not a sudden robot takeover but a period of ongoing, and perhaps accelerated, change in how work is organized and the mix of jobs in the economy….All workers will need to adapt as machines take over routine and some physical tasks and as demand grows for work involving socioemotional, creative, technological, and higher cognitive skills.”

The Future of Work in America: People and places, today and tomorrow

McKinsey Global Institute, 2019
State Openings 2021

Job Demand in 2021

- Estimated total hiring activity & job demand in 2021: 1,060,825
- Total workforce demand: Increases by 7.1%
- Demand driven by new jobs in Milwaukee (17,867) & Waukesha (10,438)
Preparing the Modern Graduate
**PEWAUKEE LAKE ELEMENTARY**
Each student will annually participate in Responsive Classroom practices and school-wide activities.

**HORIZON ELEMENTARY**
Each student will annually engage in a mixed grade peer mentorship experience.

**ASA CLARK MIDDLE SCHOOL**
Each student will explore and create partnerships with others outside of the school community.

**PEWAUKEE HIGH SCHOOL**
Each student will develop a personalized learning network, including a mentor & place-based experience.

**PEWAUKEE LAKE ELEMENTARY**
Each student will experience one year's growth in one year's time in literacy and math. Additionally, each student will achieve a self-selected goal in an academic area of challenge.

**HORIZON ELEMENTARY**
Each student will experience one year's growth in one year's time in literacy and math. Additionally, each student will achieve a self-selected goal in an academic area of challenge.

**ASA CLARK MIDDLE SCHOOL**
Each student will utilize an annual personalized learner profile focused on literacy and math to meet academic growth goals.

**PEWAUKEE HIGH SCHOOL**
Each student will earn post-secondary credit or industry certification through authentic and relevant coursework and experiences.
Partnering with WCTC

- 19 school districts in Waukesha County
- Tech Prep Council
- 3300 high school students took courses with WCTC through partnership agreements during 2017-18 academic year
- Less than 10% of students direct-enroll after high school
- WCTC is committed to K-12 partnerships
Dual Enrollment Academy

14 Pewaukee Students

- Firefighter/EMT (5)
- Building Construction (2)
- Tool & Die/CNC (1)
- Information Technology (2)
- Automation Systems Technology (2)
- Early Childhood Education Preschool (2)
Dual Enrollment Academy
Additional Opportunities for Pewaukee Students

Fall 2019

*Transcripted Credit:*
- Intro to Software Applications (27)
- Certified Nursing Assistant (39)

*Start College Now (6 students in 11 classes):*
- Interior Design
- Automotive
- Human Services
- Criminal Justice
- General Education

Spring 2020

*Transcripted Credit:*
- Intro to Software Applications
- Medical Terminology
- Culinary Nutrition
- Certified Nursing Assistant

*Start College Now:*
- Unknown at this time
Elements of Health & Medicine

**Medical Interventions**
*1 Credit Science Elective @ PHS*

**Exercise Physiology & Sports Medicine**
*½ Credit Physical Education @ PHS*

**Nursing Assistant Program**
*½ Credit F&CS @ WCTC*

**Clinical Rotations**
*1 Credit Practical Education @ Hospitals & Clinics*
18-21 Year-Old Program Partnership
18-21 Year-Old Program Partnership

“I am so impressed with the staff at WCTC and all the support they provide to our students. The instructors and disability coordinators have gone above and beyond to help us with each student. I feel very lucky to be able to provide transition services in an authentic adult environment that does not limit our students' opportunities.”

Jill Thomas; PHS Transition Teacher
Thank you!

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