DPS
CareerConnect
Overview

• Joe Saboe, Director, DPS CareerConnect
Our Vision

To fundamentally transform student learning experiences, post-secondary opportunities, and workforce development.
DPS/Denver: A Summary of Underlying Problems

Youth unemployment in Denver - 20-30% typically
Like other large urban school districts, DPS grads face low odds of success in post-secondary education.

17% of DPS grads succeed in post-secondary education, yet 70% of the Colorado economy requires post-secondary education.
DPS CareerConnect: Providing Students with Tools for Success

- DPS CareerConnect inspires students and equips them with the **tools** and **connections** they need to pursue college and career paths in Denver’s top industries.

- Historically, DPS CareerConnect students are **30% more likely to graduate** than their peers.
DPS CareerConnect Post-Secondary Opportunities

Students have the option to stick with a chosen pathway until they graduate high school, enter the CareerResidency program, or continue their education and work experience in an alternative path.

Students are not locked into a single pathway. All students, no matter their grade or age, can enter new or additional pathways starting with the introductory/survey courses and participate in those classes’ work-based learning opportunities.
See Us in Action

• https://vimeo.com/223473834
# The DPS CareerConnect Model

<table>
<thead>
<tr>
<th>School-Based Learning</th>
<th>Exploratory STEM Courses</th>
<th>Introductory &amp; Survey Courses</th>
<th>Foundational Courses</th>
<th>Advanced Level 1 Courses</th>
<th>Advanced Level 2 Courses</th>
<th>Post-Secondary Level Courses</th>
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<tbody>
<tr>
<td>Grades K-8</td>
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<td>Grade 10</td>
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<td>Grade 11</td>
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<td>Grades 13/14*</td>
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**Work-Based Learning**
- **CareerSpark Middle School**: STEM Exploration Event
- **CareerX Industry Exploration Event**
- **CareerCoach Mentoring Program**
- **CareerLaunch Internship Program**
- **CareerLaunch Internship Program**
- **CareerCollaborate Industry Consulting Project**

**CareerResidency** - Optional 3-year immersive pathway

*For students who opt into the CareerResidency*

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DPS CareerConnect Pathways

ACEConnect - A DPS CareerConnect Program
BusinessConnect - A DPS CareerConnect Program
CreativeConnect - A DPS CareerConnect Program
EdConnect - A DPS CareerConnect Program
EngineeringConnect - A DPS CareerConnect Program
HospitalityConnect - A DPS CareerConnect Program
MakerConnect - A DPS CareerConnect Program
MedConnect - A DPS CareerConnect Program
TechConnect - A DPS CareerConnect Program
PublicSafetyConnect - A DPS CareerConnect Program
Alignment with Denver’s Growth

Average Yearly Salary

% Growth (2010 - 2020)

- ADVANCED MANUFACTURING
- AEROSPACE
- AVIATION
- BIOSCIENCE
- ENERGY
- FINANCIAL SERVICES
- HEALTHCARE AND WELLNESS
- INFORMATION TECHNOLOGY
CareerConnect By the Numbers

18,600 + Students in 2016–2017

30% Higher graduation rates among participants

300+ Company, higher ed, gov’t and non-profit partners

$20 million In federal and corporate grants since 2014

60+ Schools with DPS CareerConnect programs

FREE To all DPS students
Budget & Operations

• Joe Saboe, Director, DPS CareerConnect
2016 Bond / Mill Levy

2016 Bond

$5 million
(one-time use, for building renovations and equipment)

2016 Mill Levy

$4.8 million
(annually)
2016-2017 Funding Sources

- Corporate & Foundation Grants: $1,216,000 (15%)
- District Mill Levy Allocation: $1,800,000 (22%)
- U.S. Department of Labor Youth Career Connect Grant: $1,184,000 (15%)
- DPS General Funds Allocation: $3,110,000 (38%)
- U.S. Department of Labor Carl D. Perkins Supplemental Funds: $765,000 (9%)
- Denver Office of Economic Development Grant $100,000 (1%)
Progress Monitoring

• Joe Saboe, Director, DPS CareerConnect
Quality Framework

STRATEGY & OPERATIONS
- Leadership support
- Course progression
- Industry alignment
- Middle-school alignment
- Intentional hiring and retention
- Strategic program action-planning
- Facilities/supplies

EQUITABLE ACCESS & ADVISING
- Awareness and collaboration
- Culture of advising
- Parent engagement
- Equity and access for all students (ELL, SPED, GT, etc.)
- Course selection
- Student retention
- Higher education advisement

SCHOOL-BASED LEARNING
- Culturally-relevant curriculum
- Project-based learning
- Student voice and choice
- Student ownership
- Academic integration
- Soft skills integration
- Competencies and progress-monitoring

WORK-BASED LEARNING
- Partner engagement
- Work-based learning participation
- Coursework integration
- Soft skills integration
- Work-based learning culture in schools
- Work-based learning planning and execution
Work-Based Learning

• Karis Morrall, Communications and Partnerships Manager, DPS CareerConnect
Work-Based Learning

2,400 students participated in work-based learning during the 2016-2017 school year
The CareerResidency

- Joe Saboe, Director, DPS CareerConnect
The CareerResidency is a groundbreaking new program in DPS that revolutionizes high school education and provides students with direct routes to careers and higher education.

It builds upon the career exploration and work-based learning that students have encountered in their CareerConnect classes.
The CareerResidency
Inspired by the Swiss Vocational Education System

Swiss Vocational Education System (VET) Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Balanced mix of theory and practice—50%+ time spent learning in the workplace</td>
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<tr>
<td>2</td>
<td>Truly industry-driven curriculum across all learning environments</td>
</tr>
<tr>
<td>3</td>
<td>Sustainable “earn while you learn” training model through apprenticeship wages and ROI for industry</td>
</tr>
<tr>
<td>4</td>
<td>Educational permeability—no degree path is limiting</td>
</tr>
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</table>

Swiss Workforce and Education Outcomes

The reforms that shaped the vocational educational model contributed to some tremendous outcomes for the country

- 99% secondary completion rate
- 2.4% youth unemployment; 3.2% overall
- 59% higher ed attainment rate for apprenticeship grads
- On average, 30% higher earnings for apprenticeship grads in equivalent professions
- $80,000+ GDP per capita; virtually no poverty
The CareerResidency
Student Benefits

- High School Diploma
- Free 2-year Degree
- Training Wage
- Industry Experience
# The CareerResidency
Student Schedule: Year One

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>AM</td>
<td>High School</td>
<td>Work</td>
<td>High School</td>
<td>Work</td>
<td>High School</td>
</tr>
<tr>
<td>PM</td>
<td>Higher Education or Training Program</td>
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<td>Higher Education or Training Program</td>
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<td>Cohort Training Session</td>
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</tbody>
</table>
## The CareerResidency

### Student Outcomes

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Study Options</th>
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<tbody>
<tr>
<td><strong>BusinessConnect</strong>  &lt;br&gt; A DPS CareerConnect Program</td>
<td>• Associate of Arts Degree in Business at CCD  &lt;br&gt; • CareerWise Colorado Course Sequence for “Business Operations” or “Financial Services”</td>
</tr>
<tr>
<td><strong>MakerConnect</strong>  &lt;br&gt; A DPS CareerConnect Program</td>
<td>• Associate of Applied Science Degree in Computer Information Systems at CCD  &lt;br&gt; • 2 years toward a Bachelor of Science in Computer Science at the University of Colorado – Denver  &lt;br&gt; • CareerWise Colorado Course Sequence for “Technology”</td>
</tr>
<tr>
<td><strong>MedConnect</strong>  &lt;br&gt; A DPS CareerConnect Program</td>
<td>• Associate of Arts Degree in Business at CCD; supplemented with select courses from CareerWise Colorado Course Sequence for “Advanced Manufacturing.”  &lt;br&gt; • Associate of Applied Science Degree in CNC Machining at CCD  &lt;br&gt; • CareerWise Colorado Course Sequence for “Advanced Manufacturing”</td>
</tr>
<tr>
<td><strong>TechConnect</strong>  &lt;br&gt; A DPS CareerConnect Program</td>
<td>• Associate of Science in Biology at CCD</td>
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</tbody>
</table>
Students’ Ability to Switch Career Paths

Students whose interests change during CR are able to switch paths—albeit with a price of time and cost.
Career Residency Pilot Demographics

The CR Pilot is largely representative of the DPS student demographic.

- % of Students
  - Native American: 80
  - Hispanic
  - White
  - Black
  - Asian
  - Other

- % of ELL
  - DPS: 37%
  - CR Pilot: 33%

Applicants have an average GPA of 3.3.

- % of students by GPA
  - >4
  - 3.5 - 4
  - 3 - 3.5
  - 2.5 - 3
  - 2 - 2.5
  - <2

The majority of applicants are on-track to graduate high school.

- % of students by Graduation Tracking status
  - Not on Track
  - At Risk
  - On Track

High school screening process limits number of students with extensive remediation requirements.

Note: *data on GPA missing for a student
Source: DPS Career Residency Applicant Data