Career Technical Education: Overview & Updates

Jay Ramsey, State Director, CTE

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AOE STUDENT PATHWAYS
AOE STUDENT PATHWAYS
WHAT DO WE DO?

• Lead
  • Vision, Policy change, Listen
• Support
  • Manage Grants
  • $5m in Federal Perkins funds
  • State Grants
    • Innovation
    • CTSO Executive Directors
    • Equipment Funds
  • Support regional collaboration
  • Provide technical assistance
• Oversee
  • Compliance Reviews
  • Monitor grant spending
HISTORY & STATISTICS
Where is CTE?

- Independent Technical Center Districts
- Satellite location/comprehensive high school
- Independent Schools hosting technical education programs
- Full or part-time regional career centers
What is CTE?

• Set of courses and experiences that help students gain the skills, technical knowledge, academic foundation and real-world experience for high-skill, high-demand, high-wage careers

• Key state resource for contextualized learning

• Prepares students for college and career

• Who can participate in Vermont?
2019 Presidential Scholars in CTE
State of Vermont
12 Yr. Enrollment/Headcount Trend, Grades 9-10 and 11-12

2006, 14045
2008, 13995
2016, 11377
2018*, 10698

Student Count


9-10 TOT
11-12 TOT
Linear (9-10 TOT)
Linear (11-12 TOT)
State of Vermont
12 Yr. CTE Participation/Headcount, Grades 9-10 and 11-12

- 2006, 3641
- 2008, 3710
- 2016, 3305
- 2018*, 3523

9-10 CTE
11-12 CTE
Linear (9-10 CTE)
Linear (11-12 CTE)
State of Vermont
12 Yr. CTE Participation Rate, Grades 9-10

- 9-10 CTE: 6.33%
- 9-10 TOT: 12.34%

<table>
<thead>
<tr>
<th>Year</th>
<th>11-12 CTE</th>
<th>11-12 TOT</th>
<th>Overall P. Rate</th>
<th>9-10 P. Rate</th>
<th>11-12 P. Rate</th>
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<td>2006</td>
<td>3641</td>
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<td>2010</td>
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<td>2011</td>
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<td>2015</td>
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<td>2016</td>
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<td>11377</td>
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<td>2017</td>
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<td>2018*</td>
<td>3523</td>
<td>10698</td>
<td>22.29%</td>
<td>12.34%</td>
<td>32.93%</td>
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FTE Change Over Time

6 Sem Avg FTE
HISTORY

What has changed in 70 years?

1947
- Vision for regional system
- Post-war strategy
- 67% of high schools offered voc. ed.
- 20,000 in secondary ed

1967
- Construction finished on the last regional center
- State Board of Education rules enacted

1998
- Most recent amendments to CTE program standards
- Perkins III enacted
- 2006 – SBE rules modified for Perkins IV

2018
- Personalized Learning
- College while in high school
- 22,140 in secondary ed

** FIRST INSTANT CAMERA DEMONSTRATED**

** FIRST ATM PUT INTO SERVICE**

** GOOGLE FOUNDED**
Recent Legislative Activity

• 2013
  – Act 77 of 2013 “Flexible Pathways”

• 2014
  – Workforce Innovation and Opportunity Act – Federal

• 2015
  – Every Student Succeeds Act – Federal
  – Act 51 of 2015 “Economic Development”

• 2017
  – Act 69 of 2017 “Workforce Development”

• 2018
  – Act 173 of 2018 “Enhancing the effectiveness, availability, and equity of services provided to students who require additional support”
  – Act 189 of 2018 “Economic Development”
Near Term Projects & Priorities
Near Term (1-2 yrs) Projects & Priorities

- CTE Vision
- Act 189 Implementation
  - Pilots
  - Technical Assistance
  - 2020 Reports
- Perkins V State Plan
- Continuous support & assistance with PLPs & PBGRs
- Coordinate curriculum
Near Term (1-2 yrs) Projects & Priorities

- SBE Rule Revisions
- Career Pathways Development
  - Cybersecurity
  - Advanced Manufacturing
  - Construction
  - Health Sciences

Middle school + high school + CTE collaboration
  - Expansion of opportunities and offerings
Strategic Vision for CTE
Strategic Vision for CTE

Our vision for career technical education is:

All Vermont learners attain their post-secondary goals by having access to career and technical education systems that are equitable, efficient, integrated and collaborative.
High Quality & Aligned

Collaboration Among & Coordination Between

Improve Public Perception

Career Advising Systems

Industry as a Partner
Act 189 of 2018

• SPECIFIC TO CTE:

• Middle School collaboration

• Creates “pilot” projects, formulated in local communities to study funding, governance, or both

• Address Pre-Tech/Introductory CTE Courses

• Defines Career Pathways

• AOE to provide technical assistance
Career Pathways

• Expanded the federal WIOA definition

• means a combination of rigorous and high-quality educational, training, and other experiences and services, beginning not later than seventh grade
VT Career Pathways System—A Vision

Math Integration & Curriculum Coordination
Comprehensive Career Guidance, Exploration, and Development
Career Pathways—What It Must Have

- Have multiple entry and exit points
- Transition seamlessly from secondary to postsecondary
- Allow for college credit and industry certifications in high school
- Strengthen strong work-based learning in partnership with business & industry
- Have statewide and regional workforce relevance

- Math Integration & Curriculum Coordination
- Comprehensive Career Guidance, Exploration, and Development
Career Pathways
Career Pathways
Accomplishments

• Construction – common curriculum = NCCER

• Cybersecurity – fall 2019 “soft” implementation

• Advanced Manufacturing – 3 regional employer meetings

• School Counselor Summit – under development
Pilots

• AOE shall establish parameters & approve up to 4 pilots
• Novel ways of integrating funding, or
• New governance structures, including unified governance structures,
• Or both
• Requires both high school and regional CTE center involvement
• “shall be designed to enhance the delivery of educational experiences
Pilots

- Jan 4 - written questions are due
- Jan 11 – conference call Q&A

• FEB 15 – APPLICATION DEADLINE
  - March 1 – selections announced
  - April 1 – projects start
  - October 15 – 6 month status report

• JANUARY 15, 2020 – AOE deadline for Legislative Report
  - April 15, 2020 – 6 month status report
  - October 15 – 6 month status report
  - April 1, 2021 – final report due
PERKINS V

- Signed into Law in July 2018
- Effective July 1, 2019
  - 2019-2020 is transition year, spend developing state plan
  - 2020-2021 is year 1 of 4 yr plan
Long Term Priorities
Long Term Priorities

• Full implementation of the vision & goals
• Perkins V State Plan that supports our vision & goals, and Vermont’s educational philosophy and priorities
• Consistent & equitable treatment of all CTE students, regardless of home high school
• Expansion of apprenticeships and related opportunities at CTE centers
Long Term Priorities

• State-wide implementation of connected learning via career pathways
• Expansion of career pathways model to other economic areas
• Robust 7<sup>th</sup> & 8<sup>th</sup> grade experiences aligned with CTE
• Decentralized offerings of 9<sup>th</sup> and 10<sup>th</sup> grade introductory courses
• Restructuring of how CTE programs are offered
• Per Act 189, a sustainable alternative to funding & governance
QUESTIONS?

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