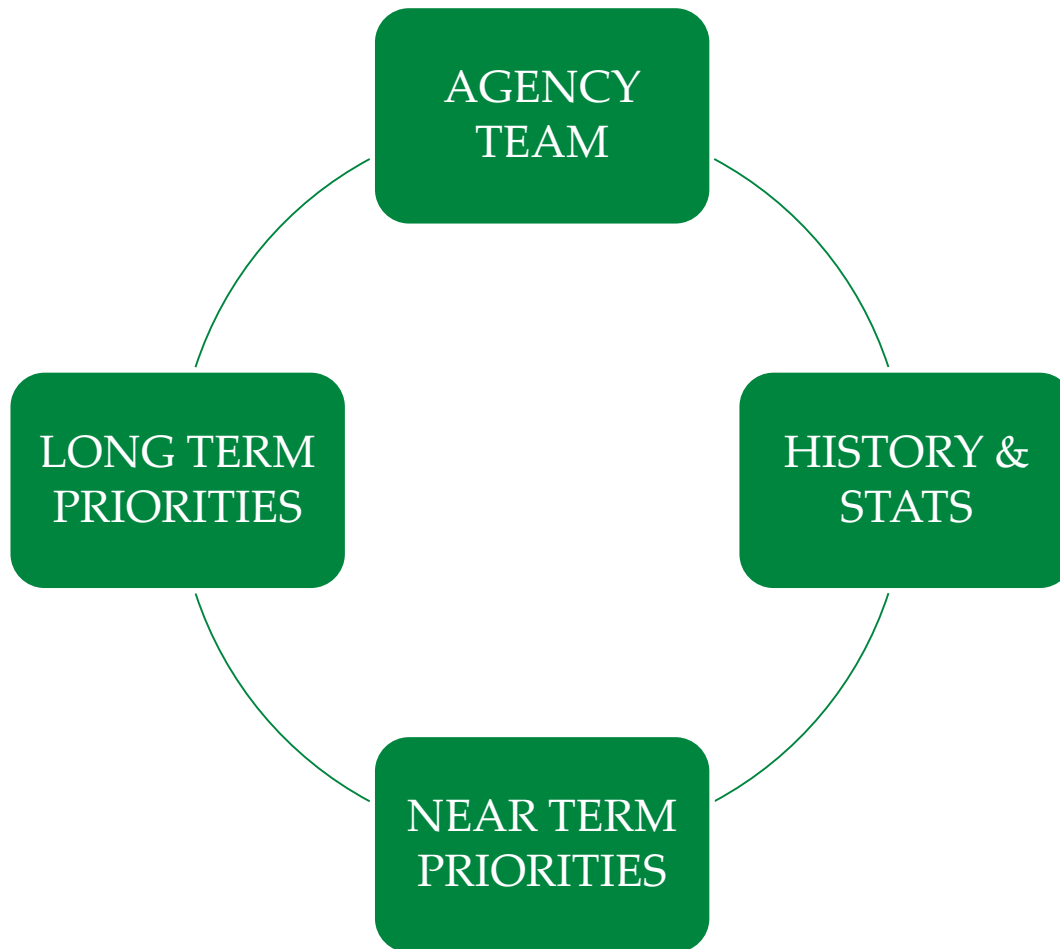


# Career Technical Education: Overview & Updates

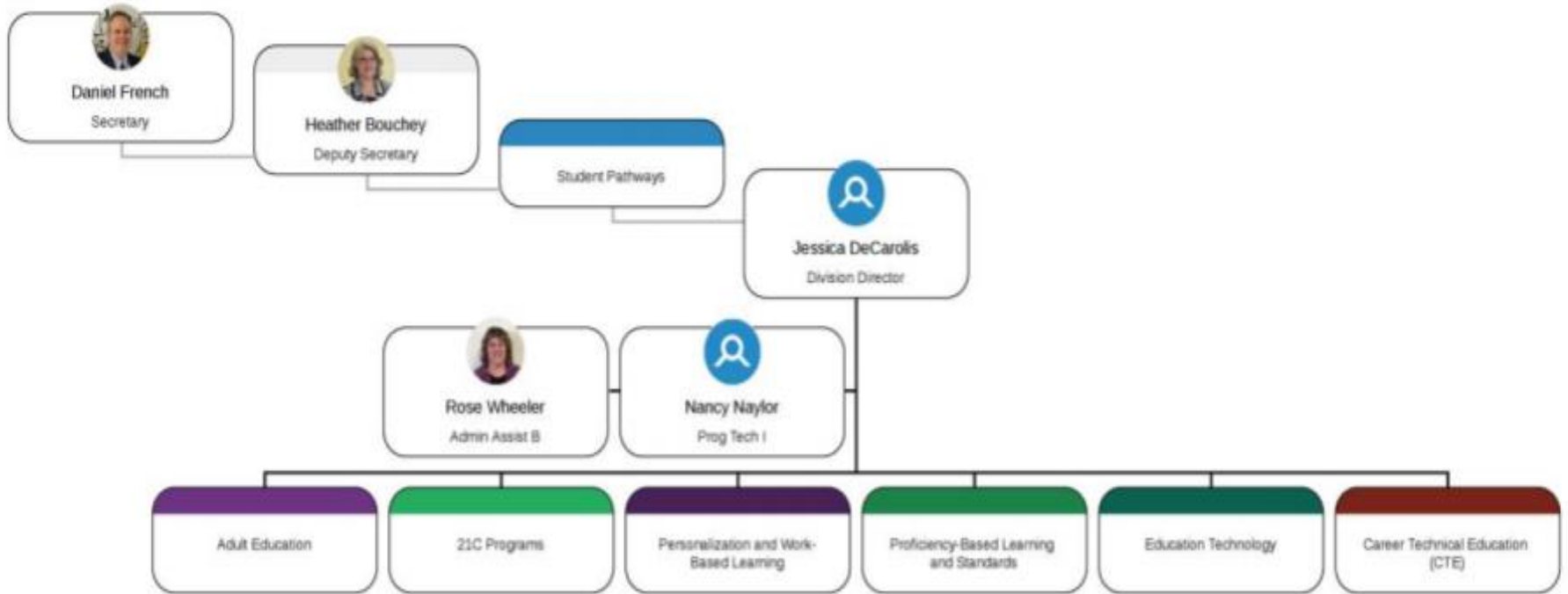
Jay Ramsey, State Director, CTE

February 8, 2019

# MAIN POINTS

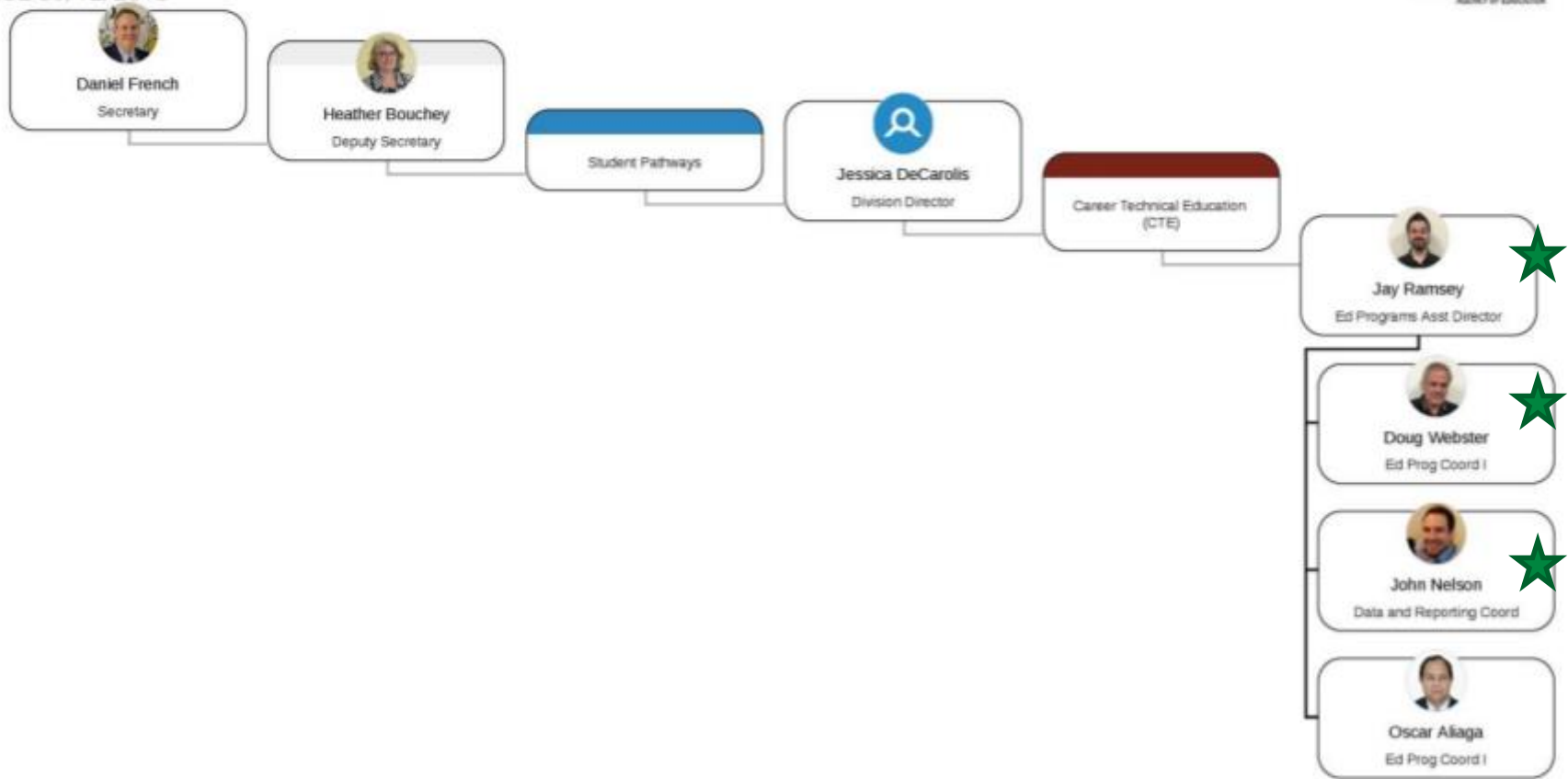


# AOE STUDENT PATHWAYS



# AOE STUDENT PATHWAYS

AGENCY OF EDUCATION



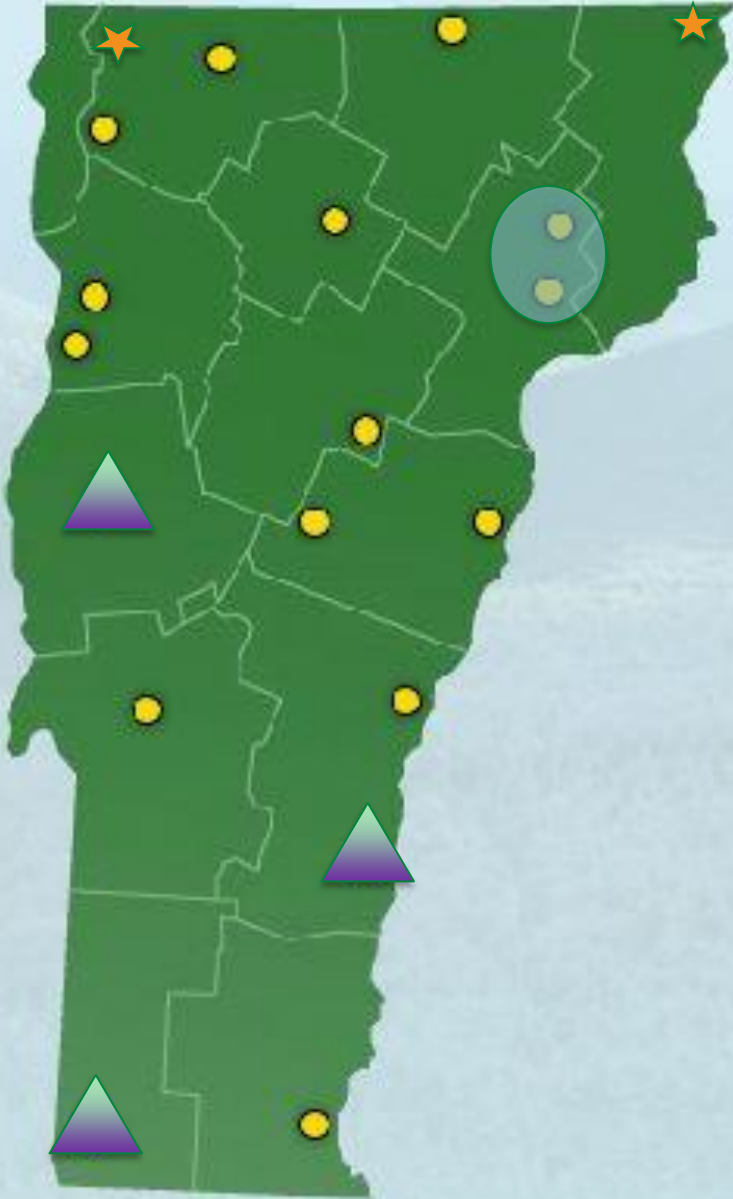
# WHAT DO WE DO?

- 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?

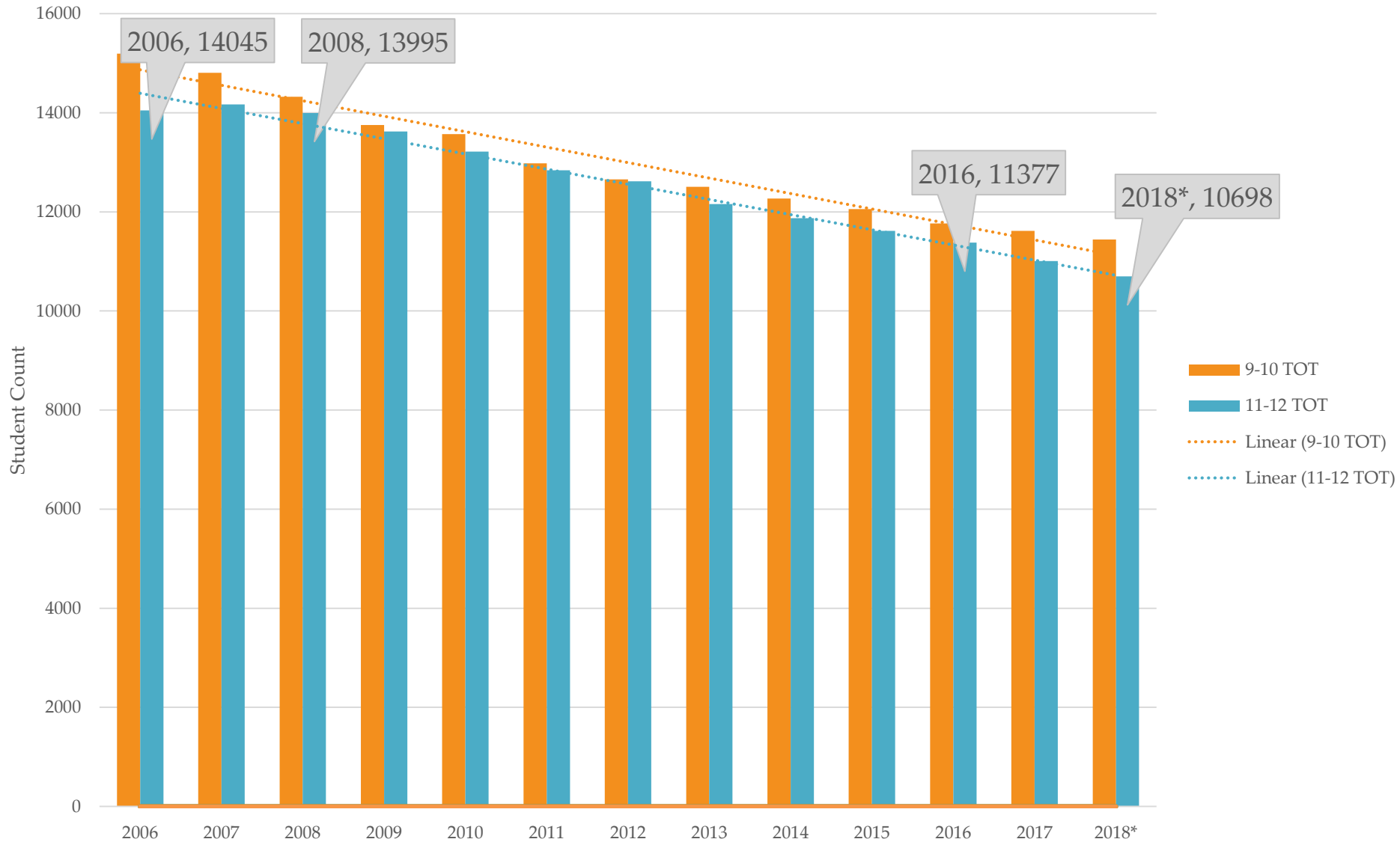


# 2019 Presidential Scholars in CTE



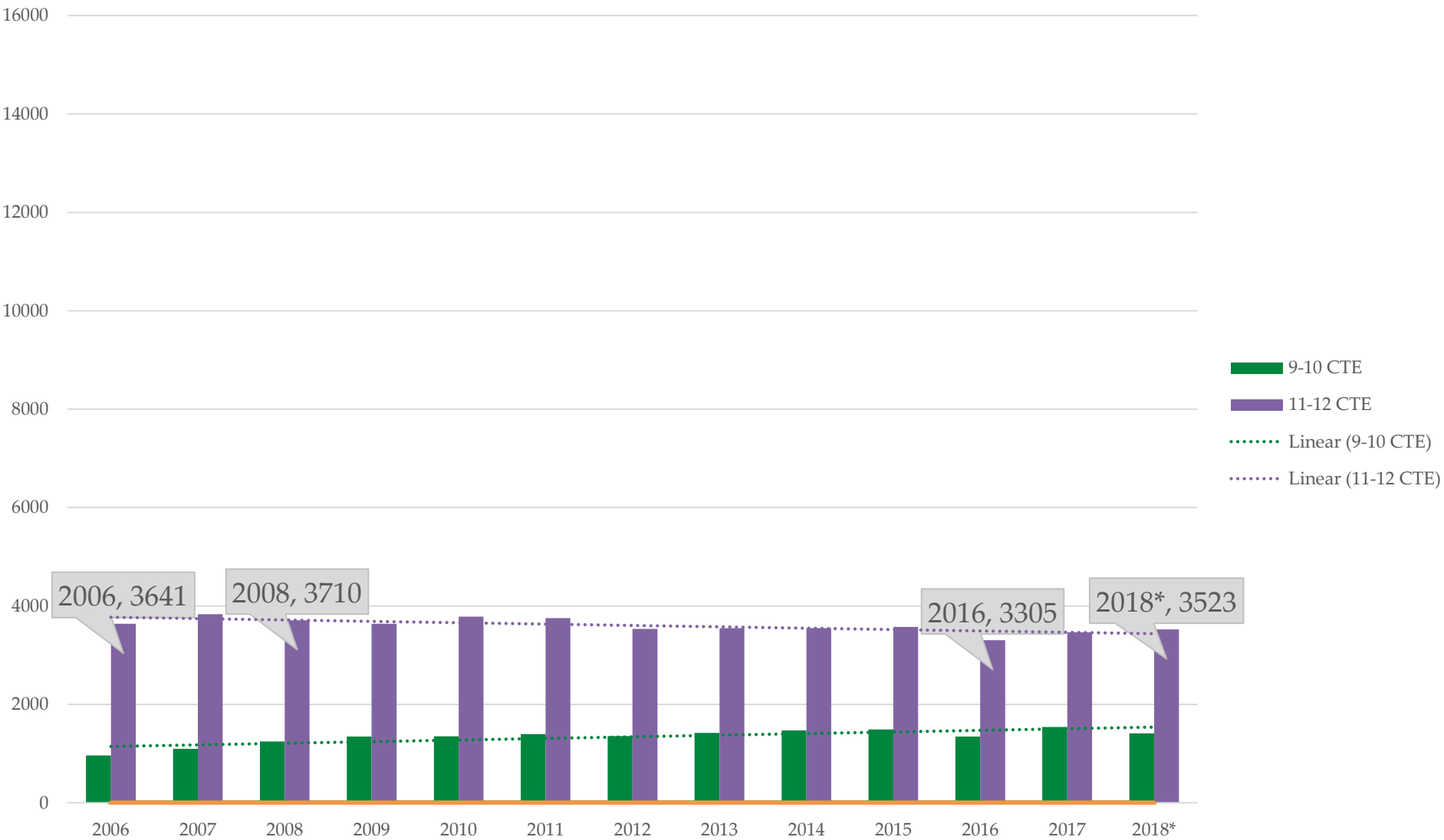
# State of Vermont

## 12 Yr. Enrollment/Headcount Trend, Grades 9-10 and 11-12



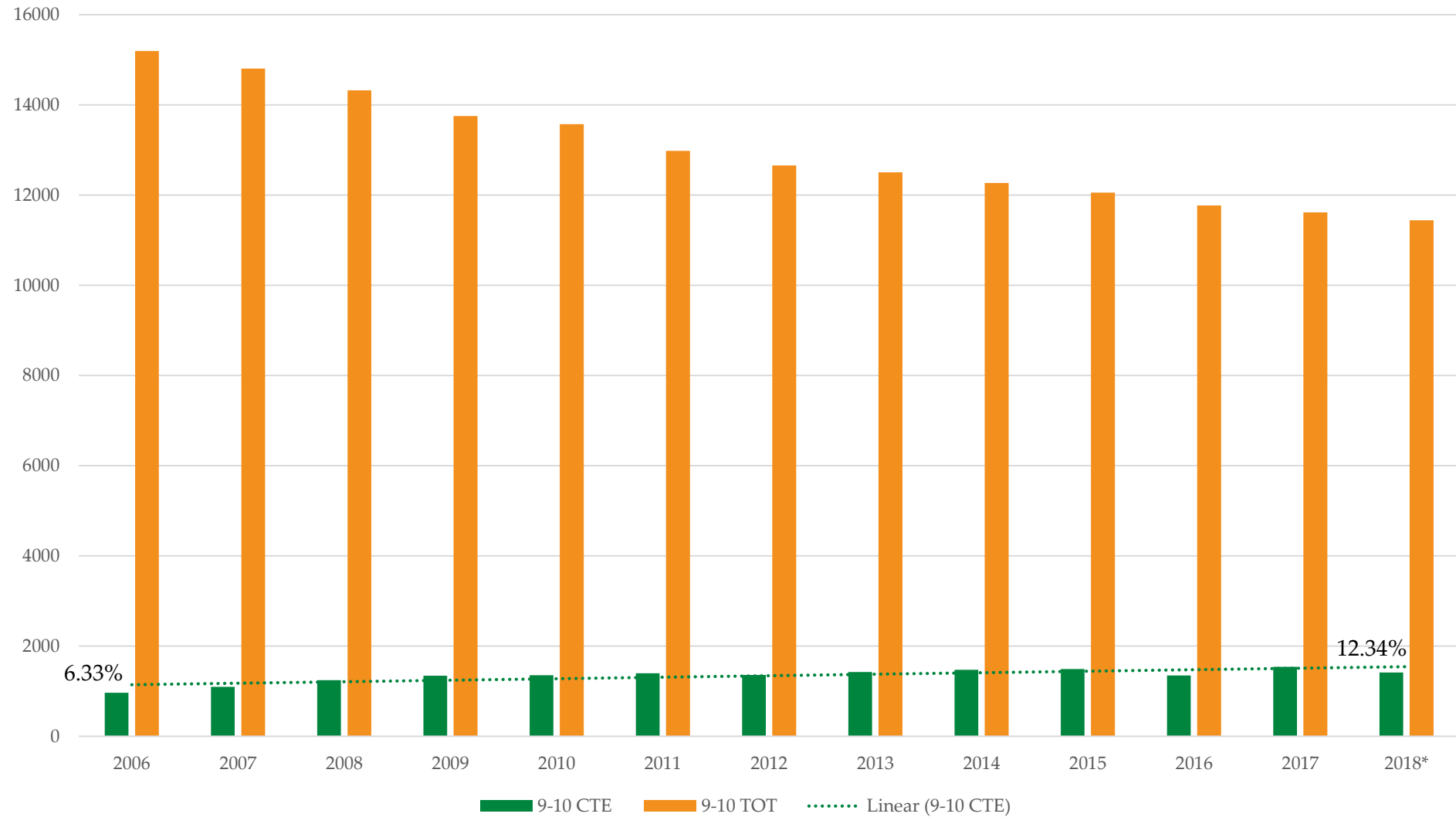
# State of Vermont

## 12 Yr. CTE Participation/Headcount, Grades 9-10 and 11-12



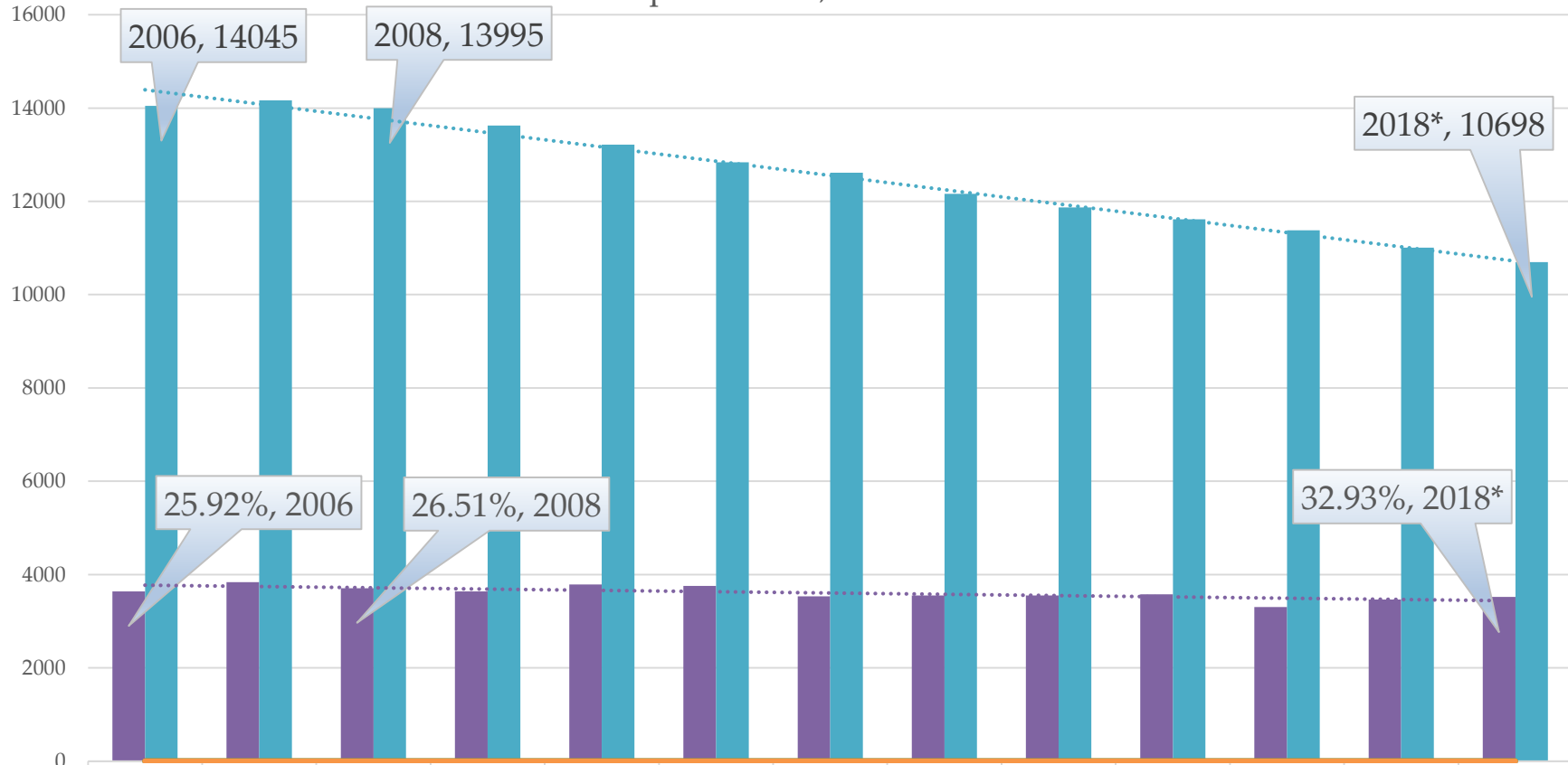
# State of Vermont

## 12 Yr. CTE Participation Rate, Grades 9-10



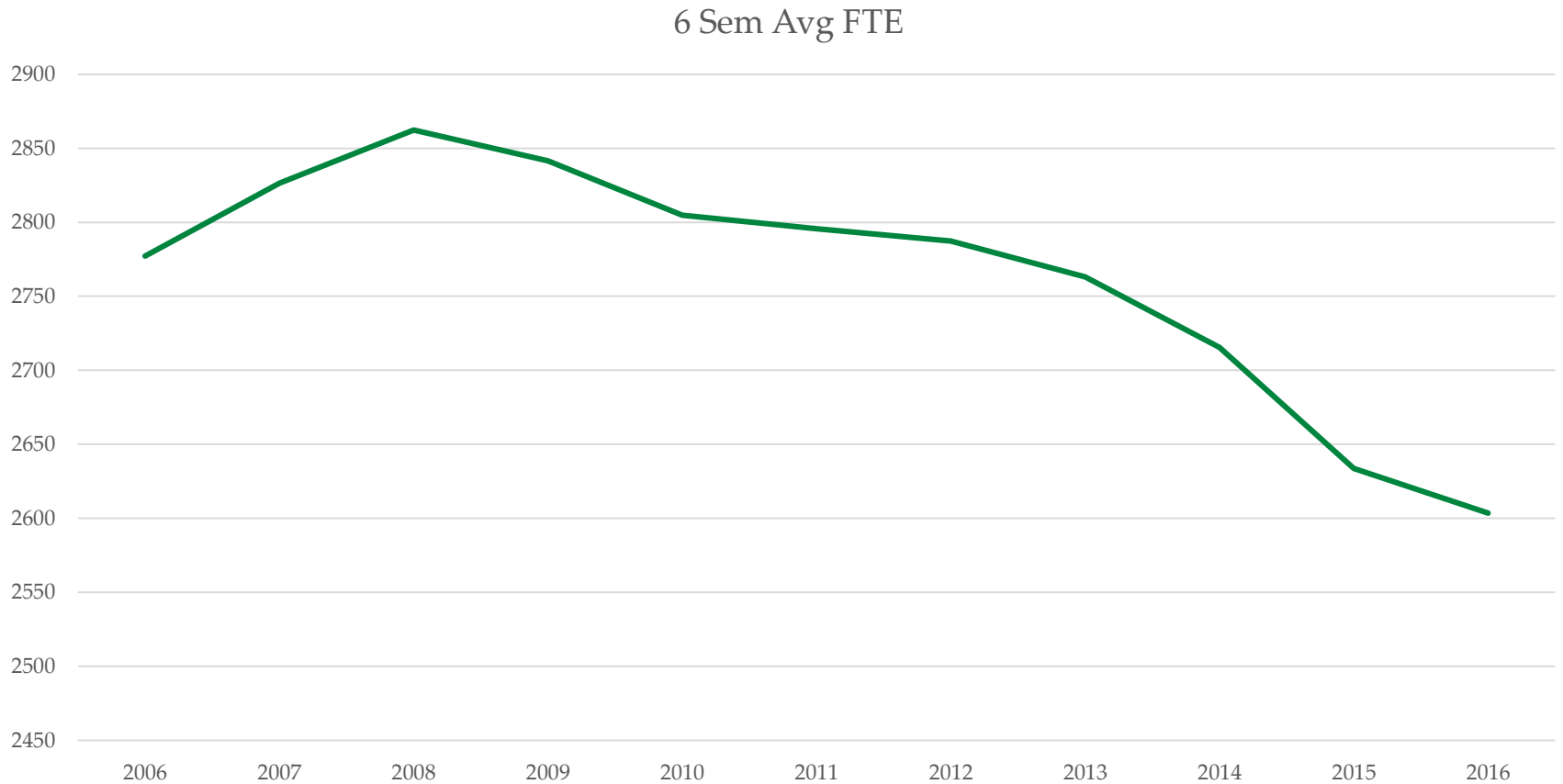
# State of Vermont

## 12 Yr. CTE Participation Rate, Grades 11-12



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
11-12 CTE	3641	3835	3710	3638	3786	3756	3536	3549	3549	3574	3305	3464	3523
11-12 TOT	14045	14166	13995	13624	13217	12840	12617	12159	11872	11617	11377	11006	10698
Overall P. Rate	15.74%	17.02%	17.50%	18.20%	19.18%	19.96%	19.36%	20.15%	20.80%	21.40%	20.10%	22.11%	22.29%
9-10 P. Rate	6.33%	7.40%	8.70%	9.77%	9.96%	10.77%	10.71%	11.37%	12.00%	12.38%	11.45%	13.25%	12.34%
11-12 P. Rate	25.92%	27.07%	26.51%	26.70%	28.64%	29.25%	28.03%	29.19%	29.89%	30.77%	29.05%	31.47%	32.93%

# FTE Change Over Time



# HISTORY

What has changed in 70 years?



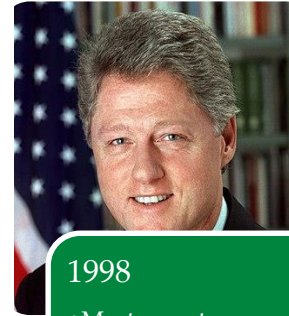
1947

- 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”
  - **Strengthening Career & Technical Education Act (2018) – Federal**



# 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

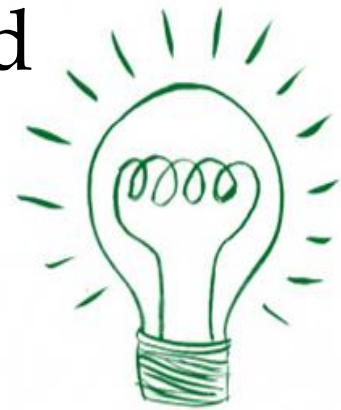
# Strategic Vision for CTE



# 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

1

2

3

4

5

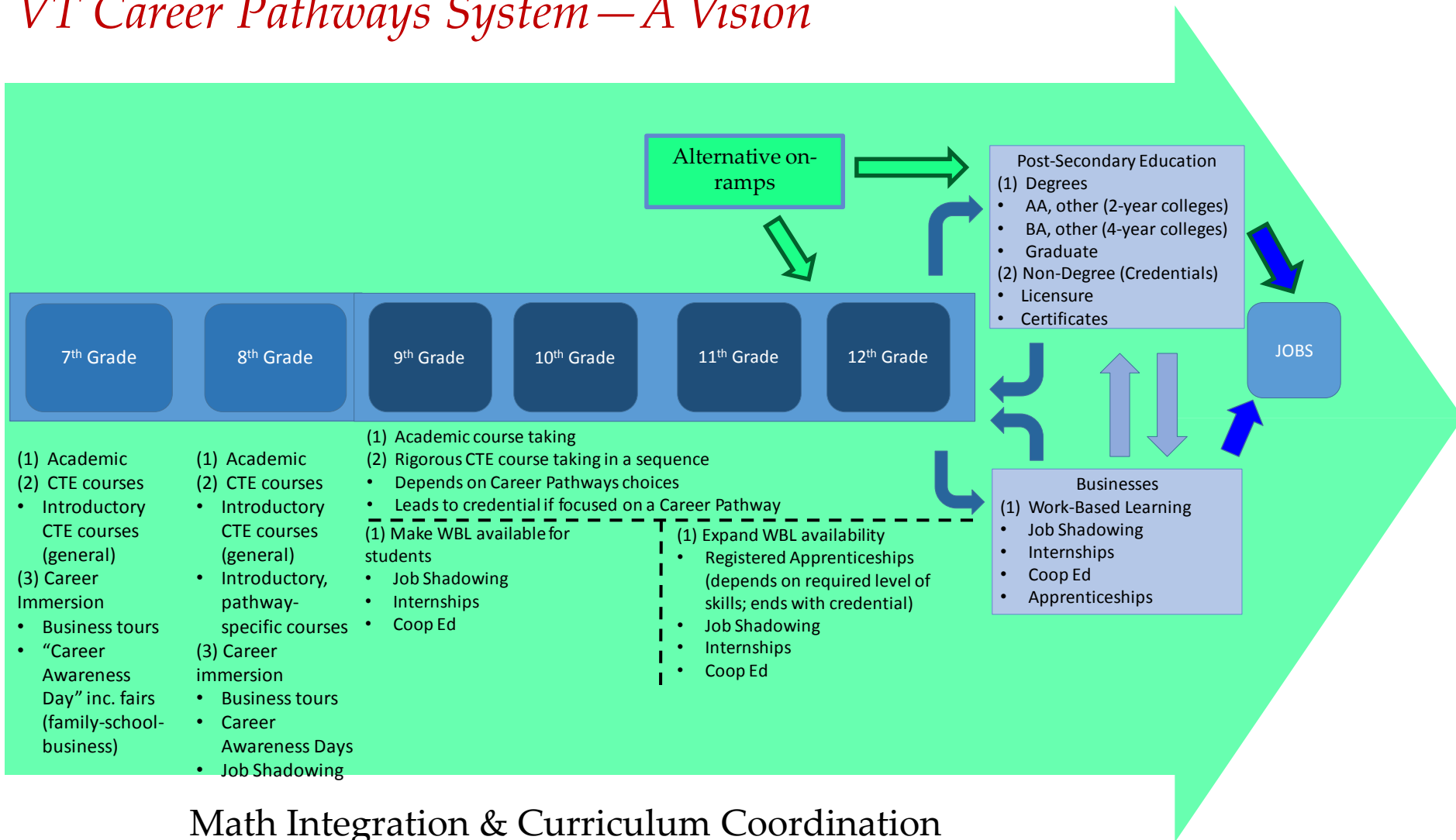
6

7

8



# 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 state-wide 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?

**Jay Ramsey**

Assistant Director, Student Pathways Division

State Director, Career Technical Education

[jay.ramsey@vermont.gov](mailto:jay.ramsey@vermont.gov)

802-479-1343

# REFERENCES

- Strategic vision: <https://biznakenya.com/innovating-yourself-to-innovate-the-world/>
- Public Perception Image: <https://www.freepik.es/fotos-vectores-gratis/search-searching>
- Industry Partner Image: <https://www.ciena.com/partners/>
- Advising: <https://mkecc.edu/career-college-vs-community-college/>
- Collaboration: <http://www.crosscollaborate.com/2010/06/collaborative-leadership-eshift-the-burden-thinking/>
- Lightbulb: <https://www.newmiamiblog.com/2014/08/29/miamis-entrepreneurial-landscape/>
- VT-189 Sign: <http://worldofsigns.com/signs/1421/interstate-189-vermont/>
- 5 Elements of Apprenticeship: <https://www.techhelp.org/apprenticeship-programs-gain-traction-idaho/>