Career Technical Education: System & Funding Overview

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April 12, 2018





TOPICS

- Location and Funding overview
- CTE system outcomes
- CTE system opportunities
- Career Pathways Work at AOE





Location & Funding Overview

- Center and program offerings
- Categorizing Investments
- Understanding Variables -
 - Terminology and definitions
 - Statutory references
- Practical Application
 - Identify variables
 - Walk through of sample budget process
- Practical Example
 Sustantin Contact
 - Systems in Context





Contexts - Education

- Vermont has a decreasing student population
- Half of the high schools have a graduating class of 60 or fewer
 - Half of those have a graduating class of less than 30
- Delivery of education is changing (PLPs, out of the building)
- Mergers & Consolidation
- Nearly \$80m Education Fund deficit





Who May Participate?

- Generally, programs are intended for 11th and 12th grade students
 - Students apply
 - 600 mis/wk for part-time programs
- Introductory programs (pre-tech) programs, are intended for 9th and 10th graders
 - Broad introduction to career field connected to programs at CTE center
 - Shorter in length
 - Superintendents can say no





Terminology Break

- <u>Headcount</u> the UNduplicated number of students attending the CTE center
- <u>Enrollment</u> the duplicated count of students in programs [students may be enrolled in more than one program]
- <u>**Full-time Equivalent (FTE)</u> the measure of how much time a student spends in a program. *Functions as a multiplier.*





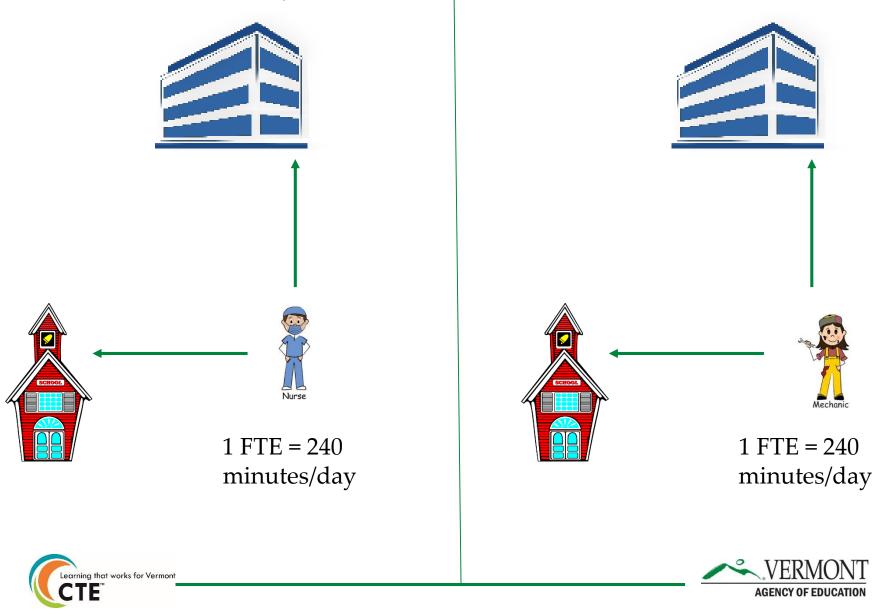
PROGRAMS – WHAT IS COUNTED?

- 16 VSA §§ 1531 & 1532 give the State Board of Education the authority to adopt minimum standards of operation and performance of the CTE centers and programs.
 - State Board of Education Rule 2380 addresses quality standards for CTE program approval
 - State Board of Education Rule 2382 creates a standard for instructional time and program length (175 day school year; avg. 120 minutes a day (PT)/avg. 240 minutes a day (FT)
 - State Board of Education Rule 2389 creates the standard for how many minutes a day, minimum, can be reported for state approved programs; and creates the FTE value (1 FTE = 240 minutes each day) [by semester only]

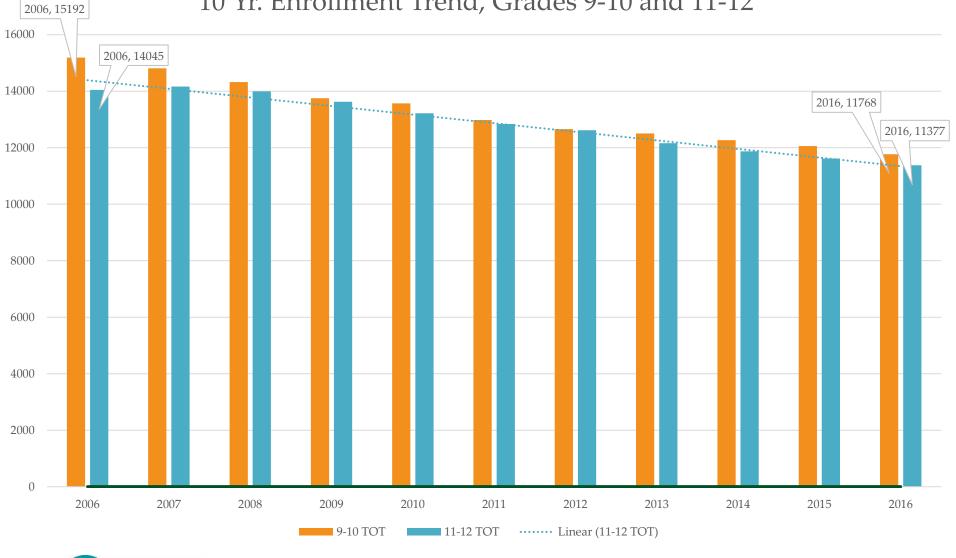


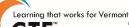
This student attends a CTE center that offers half-day programs. How much of an FTE are they?

This student attends a CTE center that offers FULL-day programs. How much of an FTE are they?



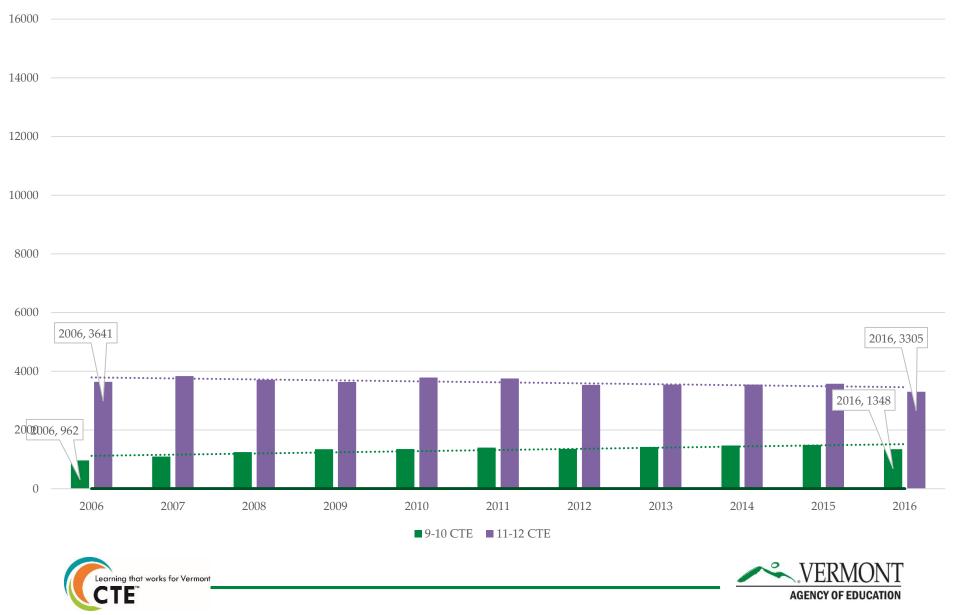
State of Vermont 10 Yr. Enrollment Trend, Grades 9-10 and 11-12







State of Vermont 10 Yr. CTE Headcount, Grades 9-10 and 11-12



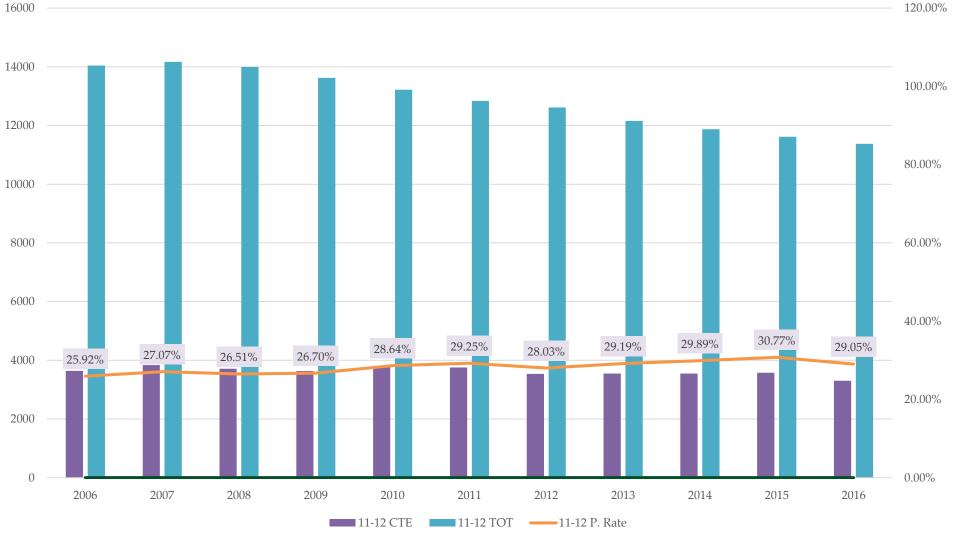
State of Vermont 10 Yr. CTE Participation Rate, Grades 9-10







State of Vermont 10 Yr. CTE Participation Rate, Grades 11-12



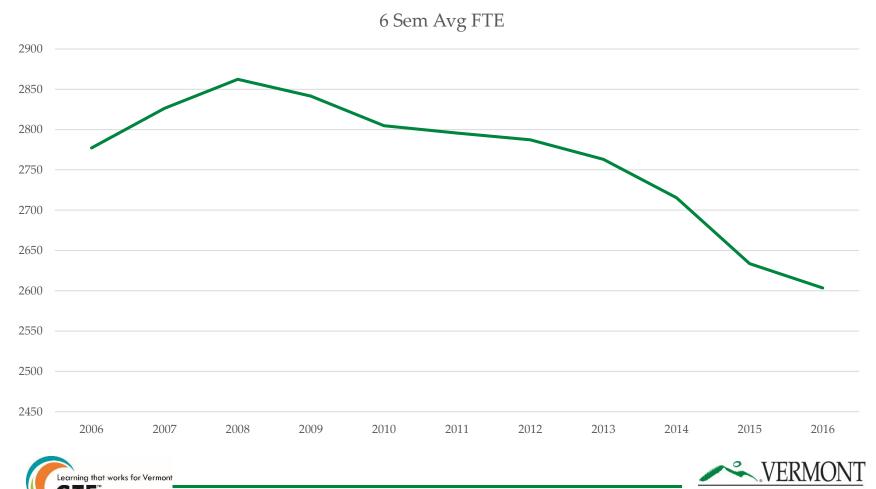




10 Yr. Enrollment & CTE Participation Trends, Grades 9-10 & 11-12



FTE Change Over Time



AGENCY OF EDUCATION

Understanding Our Investments





Sources of Funds

- Grant Allocations by formula or flat amount
 - Federal Perkins
 - State Equipment Purchase/Replacement
 - State Salary Assistance
 - State Supplemental Assistance (Tuition Reduction)**
 - State Transportation Reimbursement
- Grant Allocations by competitive grant
 - Federal Perkins Reserve
 - State Program Innovation
 - State Youth Leadership/CTSO leaders
- CTE Cost Sharing CTE Tuition by formula





CTE Tuition Funding

- "tuition" is a misnomer it's a Per FTE amount
 The formula for <u>cost sharing</u> among multiple districts
- Dependent on multiple variables
 - Base Education Amount
 - FTEs
 - Out of state
 - In state
 - Budget
 - Federal grant income
 - Salary assistance and equipment grant income
 - Facility use income
 - Net amount to be raised by tuition (Net Costs)





CTE Tuition - Sources of Information

- Provided by:
 - Vermont General Assembly:
 - Base Education Amount
 - CTE Director/School Board:
 - Estimate (out-of-state- FTE)
 - Budgeted Costs
 - Agency of Education
 - Rolling 6 semester average (in-state FTE)





FOR DEMONSTRATION O	NI	Y	_					Enter anticipated #				5.20		
FOR DEMONSTRATION UNLT					Enter in-state 6 semester avg FTEs					394.00		MMENTS		
							\Box			CITAL FTES		399.20		
STEP 1. Determine Net Costs.								Enter Base Educat			\$	9,588.00	confirmed 9	9/13/17
SBR - 2391(3)(A)								35% c/ Ba	se Edu	ucation Amount	\$	3,355.80		
							ЦĨ		se Edu	ucation Amount	\$	8,341.56		
Total Secondary Technical Education Budge	ted	Costs						5,000,000						
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- Less Salary Assistance and equipment			-					(150,000)	۱ <u> </u>					
 Less Local income from facility use charges 		L						(2,000)	۱					
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16 V.S.A. §1522(10)														
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STEP 3. Determine In-state Tuition In-state Tuition			-		i						-	i		
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16 V.S.A. §1561(0) Cash Payment of Vermont Tuition					i								.	
* From the Education Fund					1							i i	•	
* This is a variable by sending school as in Step 5		() ()		1	 87% of Bas	seEd are	nun ^{s.}	I	6 50	em. FTE. Avg		l l	1	
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STEP 5. Determining Direct Payment Amount	xam	nple 6 sem FTE av	Sp	pecific on-behalf Amour		Specific Direct Payment from High Schoo				High School to	o CTI	E	35% tuition	
Sending School 1		103.60	\$	864,185.62	In-state T		Х	6 sem. FTE avg.		behalf	\$	31,249.90		347,660,88
Sending School 2		55.60	\$	463,790.74	In-state T	Tuition	х	6 sem. FTE avg.	on b	behalf	\$	16,771.18	S	186,582.48
Sending School 3		25.40	\$	211,875.62	In-state T	Tuition	х	6 sem. FTE avg.	on b	behalf	\$	7,661.66	\$	85,237.32
Sending School 4		10.00	\$	83,415.60			х	6 sem. FTE avg.		behalf	\$	3,016.40	5	33,558.00
Sending School 5		18.20	\$	151,816.39			Х	6 sem. FTE avg.		behalf	\$	5,489.85	\$	61,075.56
Sending School 6		181.20	\$	1,511,490.67	In-state T	Tuition	х	6 sem. FTE avg.	on b	behalf	\$	54,657.17	\$	606,070.96
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OUTCOMES





Industry Recognized Credentials

64.7% of all 2017 students earned at least one industry recognized credential (in SY 2016 or SY 2017).

70.8% of <u>concentrators</u> earned at least one IRC in the prior 2 years





DUAL/CONCURRENT ENROLLMENT

			% of CTE
Fund Category	Count	% of DE	(11-12)
Act 77	30	3.7%	0.9%
Fast Forward	501	61.9%	14.5%
Local Funds	107	13.2%	3.1%
No Cost	27	3.3%	0.8%
Out of State program	40	4.9%	1.2%
Self Pay	104	12.8%	3.0%





6 MONTH Follow-Up

Placement	Count	
Still in high school	1895	
Not able to be reached	291	
Pursuing related postsecondary education or training	550	39.7%
Employed in a related field	352	25.4%
Employed in an unrelated field	278	20.1%
Pursuing unrelated postsecondary education or training	113	8.2%
Unemployed (seeking employment and not pursuing additional education)	40	2.9%
Military service in a related field	17	1.2%
Military service in an unrelated field	16	1.2%
Not in labor force (unemployed and not seeking employment or additional education)	18	1.3%

Survey of Spring 2017 concentrators





3 YR Follow-Up

Placement	Count	
Still in high school	47	
Not able to be reached	618	
Incarcerated	5	
Deceased	4	
Employed in a related field	753	32.6%
Employed in an unrelated field	706	30.5%
Pursuing related postsecondary education or training	491	21.2%
Pursuing unrelated postsecondary education or training	186	8.0%
Military service in an unrelated field	50	2.2%
Unemployed (seeking employment and not pursuing		
additional education)	50	2.2%
Military service in a related field	38	1.6%
Not in labor force (unemployed and not seeking		
employment or additional education)	38	1.6%

Fall 2017 Survey of Spring 2014 concentrators





OPPORTUNITIES

- Middle grades
- Technical Assistance to School Administrators
- Technical Assistance to Special Educators
- Registered Apprenticeships
- Career Pathways
- Strategic Vision





Career Pathways—How

- <u>Two-levels of operation</u>
 - <u>Systems</u>
 - Education
 - <u>Workforce</u>
 - <u>Supports for specific populations</u>

– <u>Programs</u>

- Easily understood sequencing
 - » Education coursework and/or training
 - » Credentials
 - » Alignment with employer expectations





Career Pathways—Must

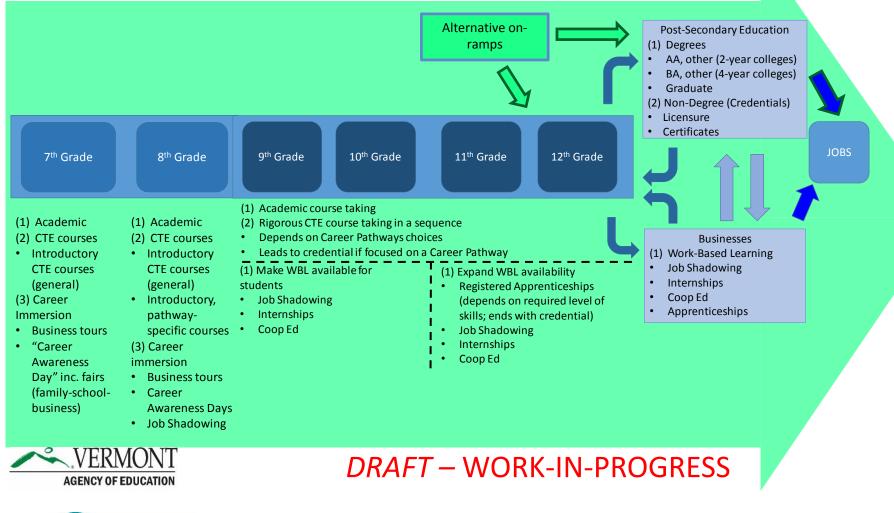
Have multiple entry and exit points Transition seamlessly from secondary to postsecondary Allow for college credit and industry certifications in high school Strengthen strong work-based learning in partnership with business & industry

Have statewide and regional workforce relevance



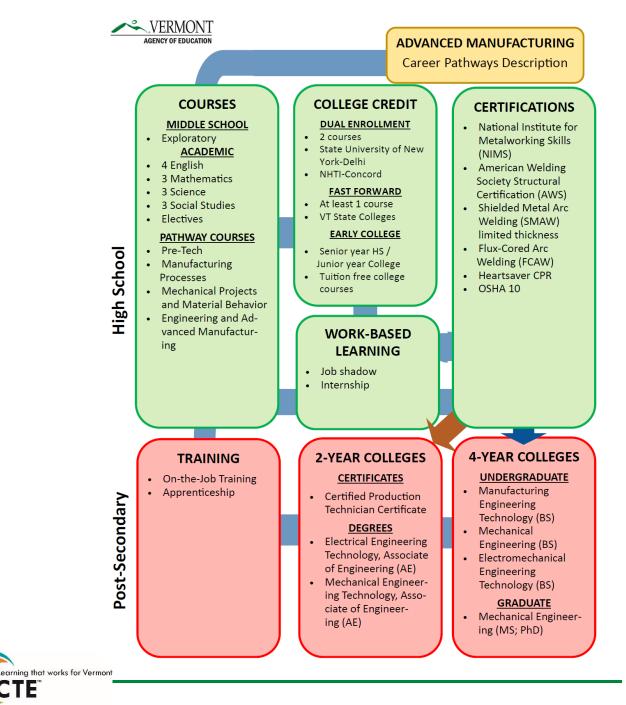


VT Career Pathways—A Vision for Secondary Education











QUESTIONS?

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