



Increased Flexibility in the Middle Level Program Requirements

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New York State
EDUCATION DEPARTMENT
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What is CTE?

“Career and Technical Education (CTE) is a kindergarten through adult area of study that includes rigorous academic content closely aligned with career and technical subjects...

The CDOS Learning Standards serve as the framework for CTE.”

-CR 100.1(I)

CTE Content Areas

- Agricultural education
- Business and Marketing education
- Family & Consumer Sciences education
- Health Sciences education
- Technology education
- Trade, Technical & Industrial education

Current Unit of Study Requirements Grades 7 and 8

Units of Study	Flexibility
2 units ELA	
2 units Math	
2 units Science	
2 units Social Studies	
1 unit Technology Education	May begin as early as grade 5, provided that in public schools, it must be taught by a certified Technology Education teacher
$\frac{3}{4}$ unit Home and Career Skills (FACS)	May begin as early as grade 5, provided that in public schools, it must be taught by a certified FACS teacher
1 unit Language other than English	May begin any time prior to grade 8 but no later than the beginning of grade 8
$\frac{1}{2}$ unit Art, $\frac{1}{2}$ unit Music	The music requirement may be met by participation in a school's band, chorus or orchestra, provided that such participation is consistent with the goals and objectives of the school's music program for grades 7 and 8
$\frac{1}{2}$ unit Health	May begin as early as grade 6 provided that in public schools, it must be taught by a certified Health teacher
Physical Education	Minimum of 3 periods per week during one semester of each school year and two periods during the other semester (or a comparable time each semester)
Library and Information Skills	The equivalent of 1 period per week in grades 7 and 8

Middle Level CTE

Middle Level CTE Requirements

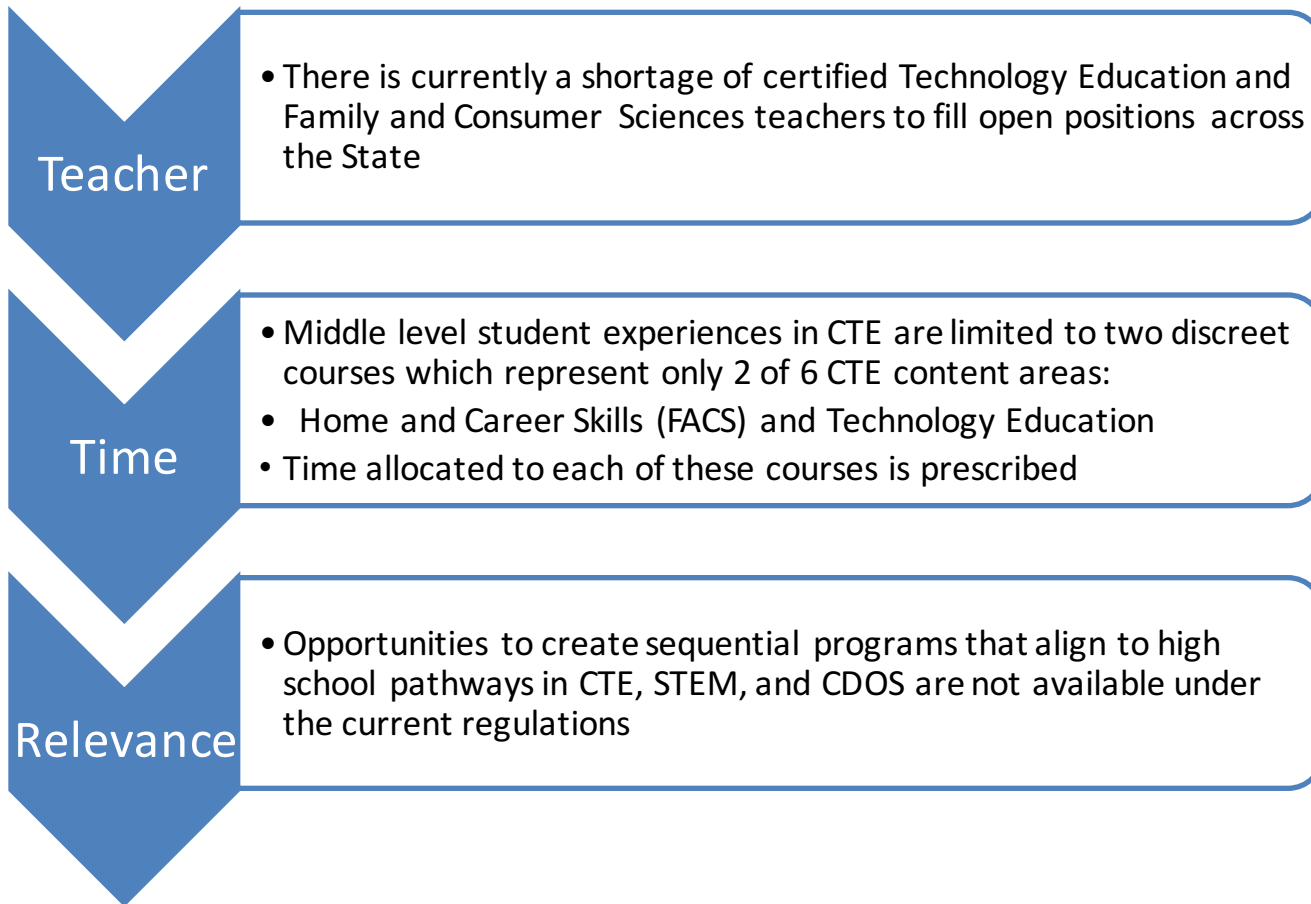
1 Unit Technology Education

$\frac{3}{4}$ Unit Home and Career Skills
(FACS)



1 $\frac{3}{4}$ Units Total CTE

Challenges with the Current Model



Repurposing CTE Instruction at the Middle Level

Allow the 1 $\frac{3}{4}$ units of CTE instruction at the Middle Level to address any CTE content area including FACS, Technology, Business, Health Sciences, Trade and Technical Education or Agriculture, thereby expanding the pool of qualified CTE teachers to fill positions at the Middle Level

Create guidance materials to facilitate the implementation of revised CTE instruction at the Middle Level to create a bridge between middle and high school programs and pathways

Sample Delivery Models for CTE at the Middle Level

	Current Delivery Model	Sample Middle-level CTE only	Sample Middle-level CTE and Foundational High School CTE	Sample Middle-level CTE and Focused High School CTE
CTE Program	1 unit of Technology Education ¾ unit Home and Career Skills (FACS)	1 ¾ unit CTE Theme Modules supported by CTE Content Modules	1 ¾ unit CTE Theme Modules supported by CTE Content Modules and ½ unit Careers and Financial Management	¾ unit CTE Theme Modules supported by CTE Content Modules and 1 unit high school CTE
Teacher	Technology Education Family and Consumer Sciences	Any certified CTE teacher depending on content modules chosen	Any certified CTE teacher depending on content modules chosen	Any certified CTE teacher depending on content chosen
Student Outcomes	Student has fulfilled Intermediate unit of study requirements	Student has demonstrated attainment of intermediate standards Student is prepared for high school CTE coursework which may begin in grade 9 Student has an employability profile	Student has demonstrated attainment of intermediate standards prior to grade 8 Student is prepared for high school CTE coursework which begins in grade 8 Student has an employability profile	Student has demonstrated attainment of intermediate standards prior to grade 8 Student is prepared for focused, content-rich, high school CTE which begins in grade 8 Student has an employability profile
Connections to High School Graduation Pathways	Student has not earned high school credit Student has been introduced to career clusters and pathways.	Student has not earned high school credit Student has begun an employability profile which is required in the CTE and CDOS graduation pathways	Student has earned ½ unit high school credit in a course required for all CTE approved programs Student has begun an employability profile which is required in the CTE and CDOS graduation pathways	Student has earned 1 unit high school credit for a course which has an associated high school program Student has begun an employability profile which is required in the CTE and CDOS graduation pathways

Sample Curricular Guidance Framework

CTE Content		CTE Themes				
Content Organizers		Career & Community Connections	Financial & Consumer Literacy	Health Safety & Wellness	Communications	Sustainability
Family & Consumer Sciences: Global Food Security and Access	Ways in which climate, geography, culture and traditions influence the availability of food worldwide	Careers in: Food production, distribution, manufacturing Projects with: Local, state, world hunger relief agencies such as community gardens and food pantries	Cost/flow of food “Farm to Table” Food Budgeting Subsidies Food entrepreneurs	Food safety and sanitation challenges Insuring food/nutrient quality Issues in food safety (GMOs, Organic, Potable water)	Public service announcements “Think globally and act locally”	Managing food waste: Composting, food donations, edible packaging, reducing carbon footprint Food preparation methods to retain nutrient content
Technology Education: Transportation	Physically moving people and objects	Engineering Jobs associated with new tech Uber, Lift, Ride Sharing Fuel Infrastructure	Cost benefits of new transportation technology	Pollutants Safety & Accident Reduction Smart Highways	Cost to Educate Consumers Government Programs -grants -laws -PSA’s	Hybrid Electric Vehicles Nuclear Powered Vehicles Smart Highways

Certifications for Introduction to CTE

CTE Content Areas

Technology Education
Family and Consumer
Sciences Education
Business Education
Agricultural Education
Trade and Technical
Education
Health Sciences
Education

Career Clusters

Agriculture Food and Natural Resources
Architecture and Construction
Arts, A/V Technology and Communications
Business and Management Administration
Education and Training
Finance
Government and Public Administration
Health Science
Hospitality and Tourism
Human Services
Information Technology
Law, Public Safety, Corrections & Security
Manufacturing
Marketing
STEM
Transportation Distribution and Logistics

Next Steps

- Complete drafts of CTE Theme Modules
- Begin writing Content Modules in other CTE areas
- Connect with work on CFM
- Share with internal and external audiences
- Revise based on feedback
- Plan for Professional Development

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Your
Questions

