

TRADE AND INDUSTRIAL EDUCATION FALL PROFESSIONAL DEVELOPMENT

Office of Career, Technical, and Adult Education

November 15, 2022

10:00 – 11:30 a.m.



AGENDA

- Welcome
- Virginia Community Colleges Workforce
- Carter Myers Automotive – Business and Industry Partnerships
- CTE Teacher S.O.S.
- SkillsUSA Virginia Update
- VATIE Update
- Program Area Announcements and Updates
- Closing

VIRGINIA COMMUNITY COLLEGES WORKFORCE

Cyndi Finley

Workforce Grant Project Director

Workforce Development Services

Virginia's Community Colleges

CARTER MYERS AUTOMOTIVE

Rick Crozier

HR Manager

Carter Myers Automotive



CTE TEACHER S.O.S.

Laura Smith

Drafting Instructor

Washington County Career & Technical
Education Center

SKILLSUSA VIRGINIA UPDATES

- Leadership Training
 - South Central, November 16, 2022, Powhatan High School
 - Far South West, November 18, 2022, Washington County Career & Technical Education Center
- Fall Festival
 - November 21, 2022, Dublin, VA
- SkillsUSA Virginia Day with Washington Commanders
 - November 27, 2022, FedEx Field, North Englewood, MD

SKILLSUSA VIRGINIA UPDATES

- District Competition
- SkillsUSA Week
 - February 6-10, 2023
- 58th Annual SkillsUSA Virginia State Leadership Conference
April 21-23, 2023, Virginia Beach
- 2023 SkillsUSA National Leadership and Skills Conference June
19-23, 2023, Atlanta, GA

SKILLSUSA VIRGINIA

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VIRGINIA ASSOCIATION OF TRADE AND INDUSTRIAL EDUCATORS (VATIE)

Arnaz Dotivala

President

Virginia Association of Trade and Industrial
Educators

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OFFICE OF CAREER, TECHNICAL, AND ADULT EDUCATION

Announcements and Updates

T&I NATIONAL CERTIFICATION AND ACCREDITATION REQUIREMENTS

Course(s)	Course Codes	National Accreditation
Automotive Technology I (MLR 3-year program) Automotive Technology I, II, III	8502 8506, 8507, 8508	Automotive Service Excellence (ASE) Education Foundation
Auto Body Technology I, II, III	8676, 8677, 8678	Automotive Service Excellence (ASE) Education Foundation
Diesel Equipment Technology I, II, III	8613, 8614, 8615	Automotive Service Excellence (ASE) Education Foundation
Graphic Imaging Technology I, II	8660, 8661	Print[ED], administered by the Graphic Arts Education and Research Foundation (GAERF)
Heating, Ventilation, Air Conditioning, and Refrigeration I, II	8503, 8504	HVAC Excellence
Small Engine Technology	8725, 8726	Equipment & Engine Training Council (EETC)

For more information, see [Superintendent's Memorandum #082-15](#) and [CTE Director Memo 124-18](#)

ASE EDUCATION FOUNDATION

- Automobile Program Standards
 - New Program Standards & Forms were released January 1, 2022
 - [Summary of Changes](#)
- Collision Repair and Refinish Program Standards
 - Auto Body Technology Curriculum was updated to reflect new standards that went into effect January 1, 2021
- New Instructor Resources
- Industry Provided Resources
- ASE Education Foundation website:

PRINT[ED]

- Digital Content
 - Videos
 - Print[ED] Branding
 - Career Essentials Assessments
- Accreditation Process
 - Application is now online
 - Instructor Files
- Online Resources
 - Shared Drive
 - Print[ED] Professional Learning Community (PLC) Forum

HVAC EXCELLENCE

- National HVACR Education Conference
 - March 20-22, 2023, Las Vegas, NV
- HVACR Learning Network
 - Live Webcast
 - Resources
 - More
- Accreditation Process
 - Manual
 - Resources

EQUIPMENT & ENGINE TRAINING COUNCIL (EETC)

- [Accreditation](#)
- [Educational Videos](#)
- [Calendar of Events](#)
 - Instructor Workshops

OSHA CONSTRUCTION INDUSTRY TRAINER ENDORSEMENT REQUIREMENT

Endorsement Code	Endorsement Description	Course Codes	OSHA Requirement
8420	Electricity	8553, 8534, 8535	OSHA 510- Standards for the Construction Industry OSHA 500- Standards for the Construction Industry Trainer Course
8430	Building Trades	8515, 8516	
8434	Cabinetmaking	8604, 8605	
8443	Masonry	8512, 8513, 8514	
8510	Plumbing	8551, 8552	
8431	Carpentry	8601, 8602, 8603	

Construction industry outreach trainers must renew every four years by successfully completing the requirements of the OSHA 502.

OSHA GENERAL INDUSTRY TRAINER COURSES

OSHA uses the term "general industry" to refer to all industries not included in **agriculture, construction or maritime**. General industries are regulated by OSHA's general industry standards, directives, and standard interpretations.

Course Topics

- Hazard violation safety workshop
- Means of egress and fire protection
- Personal protective equipment
- Material handling
- Electrical safety standards and work practices
- Hazard communication
- Introduction to industrial hygiene
- Machine guarding
- Control of Hazardous Energy (Lockout/Tagout)
- Walking and working surfaces
- OSHA record keeping
- Ergonomics

COSMETOLOGY & MASTER BARBERING

- Cosmetology and Master Barber programs
 - Minimum of 840 hours of instruction.
 - Competency based instruction offered in a two- or three-year coherent sequence of courses.

[Superintendent's Memo #072-17](#)

COURSES UPDATED IN 2022

- Auto Body Technology (8676, 8677, 8678)
- Beauty Salon Assistant (8546)
- Computer Systems Technology (8622, 8623)
- Cosmetology (8527, 8528, 8529, 8745, 8746)
- Cybersecurity Network Systems (8630)
- Cybersecurity Systems Technology (8628, 8629)
- Diesel Equipment Technology (8613, 814, 8615)
- Drafting (8530, 8531, 8532)
- Electricity (8533, 8534, 8535)
- Master Barbering (8740, 8741, 8742, 8743, 8744)
- Sheet Metal (8663, 8664)

UNMANNED AIRCRAFT SYSTEMS (20905/36)

Unmanned Aircraft Systems prepares students to fly drones under the Federal Aviation Administration (FAA) Part 107 guidelines. Students get an overview of the national airspace system, FAA regulations, and the design and operation of small drones. Students monitor weather, address loading and performance of drones, and coordinate flight operation logistics. They perform administrative tasks, train to fly, and, finally, fly small unmanned aircraft systems (sUAS).

Course available as of July 1, 2022

Sequence course to be developed on February 13, 2023

ELIGIBLE TEACHER ENDORSEMENT FOR UNMANNED AIRCRAFT SYSTEMS (20905/36)

- Computer Science
- Engineering
- Technology Education
- Commercial Photography
- Aviation Maintenance
Technology
- Electronics Technology
- Computer Repair Technology
- Computer Systems Technology
- Public Safety
- Television Production
- Firefighting
- Law Enforcement
- Aviation: Pilot Training
- Computer Technology

*In order to teach the Unmanned Aircraft Systems course and supervise student flying experiences, the teacher must have the FAA Part 107 Remote Pilot Certificate. Students must be 16 to take the certification test and receive the FAA Part 107 Remote Pilot Certificate.

NEW COURSE DEVELOPMENT

- Office of Career, Technical, and Adult Education will host a meeting on January 23-24, 2022, to establish a new course framework.
- This course will focus on music creation and production, sound recording, engineering and sound composition, track mixing and mastering.
- Seeking teachers and business and industry participants.

UPCOMING VIRTUAL CURRICULUM REVIEW MEETINGS 2022-2023

- **Architecture and Construction**
 - Building Management I, II, III: **December 1, 2022**
 - Cabinetmaking I, II: **December 8, 2022**
- **Arts, A/V Technology and Communications**
 - Telecommunications I, II: **February 7, 2023**
 - Television and Media Production I, II, III: **February 16, 2023**
 - Radio Communications I, II: **February 28, 2023**
- **Human Services**
 - Nail Technician I, II: **January 24, 2023**
- **Manufacturing**
 - Industrial Maintenance Technology I, II: **December 15, 2022**
- **Transportation, Distribution and Logistics**
 - Air Traffic Controller: **March 2, 2023**
 - Aviation Operations Management: **March 2, 2023**
 - Aviation Maintenance Technology I, II: **March 9, 2023**
 - Basic Small Engine Repair: **February 14, 2023**
 - Automotive Technology (3-year MLR program and I, II, III): **November 17-18, 2022**
 - Marine Service Technology I, II: **December 6, 2022**
 - Motorsports Technology I, II, III: **January 10, 2023**

Teachers can register using the [Career and Technical Application Processing System \(CTEAPS\)](#)

For more information please see [Superintendent Memo #114-22](#)

2022-2023 BOARD OF EDUCATION-APPROVED INDUSTRY CREDENTIALS - ADDITIONS

- Auto Body Technology (8676,8677,8678)
 - I-CAR
 - Non-Structural Technician Pro-Level 2 Certification Test
 - Refinish Technician Pro-Level 2 Certification Test
- Computer Systems Technology (8622,8623)
 - Certiport
 - Information Technology Specialist Certification Examinations

2022-2023 BOARD OF EDUCATION-APPROVED INDUSTRY CREDENTIALS - ADDITIONS

- Heating, Ventilation, Air Conditioning, and Refrigeration (8503,8504)
 - HVAC Excellence
 - HVAC Excellence Specialty Certification Examinations
 - Green Awareness Specialty Certification Examination
 - Low GWP Refrigerant Safety: Flammable & Mildly Flammable Refrigerants Specialty Certification Examination
 - Residential Heat Loads Specialty Certification Examination
 - Systems Performance Specialty Certification Examination
 - Duct Leakage (Duct & Envelope Testing) Specialty Certification Examination
 - North American Technician Excellence (NATE)
 - Air Conditioning Service Examination
 - Gas Heating Service Examination
 - Heat Pump Service Examination

2022-2023 BOARD OF EDUCATION-APPROVED INDUSTRY CREDENTIALS - ADDITIONS

- Precision Machining (8539,8540)
 - National Institute for Metalworking Skills Inc. (NIMS)
 - Computer-Aided Manufacturing (CAM)- Level 1 Examinations

2022-2023 BOARD OF EDUCATION-APPROVED INDUSTRY CREDENTIALS - DELETIONS

SkillsUSA

- Architectural Drafting Examination
- Technical Drafting Examination
- Audio-Radio Production Examination
- Cabinetmaking Examination
- Carpentry Examination
- CNC Milling and Turning Examination
- Computer Maintenance Technology Examination
- Cosmetology Examination
- Criminal Justice and CSI Examination
- Electrical Construction Wiring (Residential Wiring) Examination
- Internetworking Examination
- Marine Service Technology Examination
- Masonry Examination
- Motorcycle Service Technology Examination
- Nair Care Examination
- Photography Examination
- Plumbing Examination
- Television Video Production Examination
- Welding Examination

CTE RESOURCE CENTER

Virginia's
CTE
Resource Center

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Jump Starting **Careers**

The CTE Resource Center supports career and technical education programs in Virginia's public schools by providing curriculum development and program design and implementation in response to the Strengthening Career and Technical Education for the 21st Century Act (Perkins V).

[Explore Careers & Competencies](#)

ex. Course 8604 [Search](#)

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[Home](#) / [Career Clusters](#) / [Architecture and Construction](#) / [8590 Building Management I \(36 Weeks\)](#)

Building Management I

SCED Code: 16103 Virginia Extended Description: Suggested Grade Level: 10, 11 Duration: 36 Weeks Hours: 140

Prerequisite: None OSHA Compliance Required?: Yes CTSO: SkillsUSA Non-Traditional?: F

Students obtain the knowledge and skills to perform the upkeep of commercial and public buildings and grounds through hands-on training in cleaning operations, building repairs, electrical, plumbing, and grounds maintenance.

Class Size Regulation

The Virginia Administrative Code regulates the class size for this course. For additional information, see 8VAC20-120-150, "Maximum class size," or contact the Virginia Department of Education Office of Career, Technical and Adult Education at cte@doe.virginia.gov.

[View Curriculum in Canvas](#)[Download Cartridge File](#)

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VIRTUAL
VIRGINIA

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Help

Building Management I (16103-I)

[View Course Stream](#)

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Virginia Assignment Code: 8590

Suggested Grade Level: 10, 11

Duration: 36 weeks

Prerequisites: None

CTSO: SkillsUSA

Course Description:

Students obtain the knowledge and skills to perform the upkeep of commercial and public buildings and grounds through hands-on training in cleaning operations, building repairs, electrical, plumbing, and grounds maintenance.

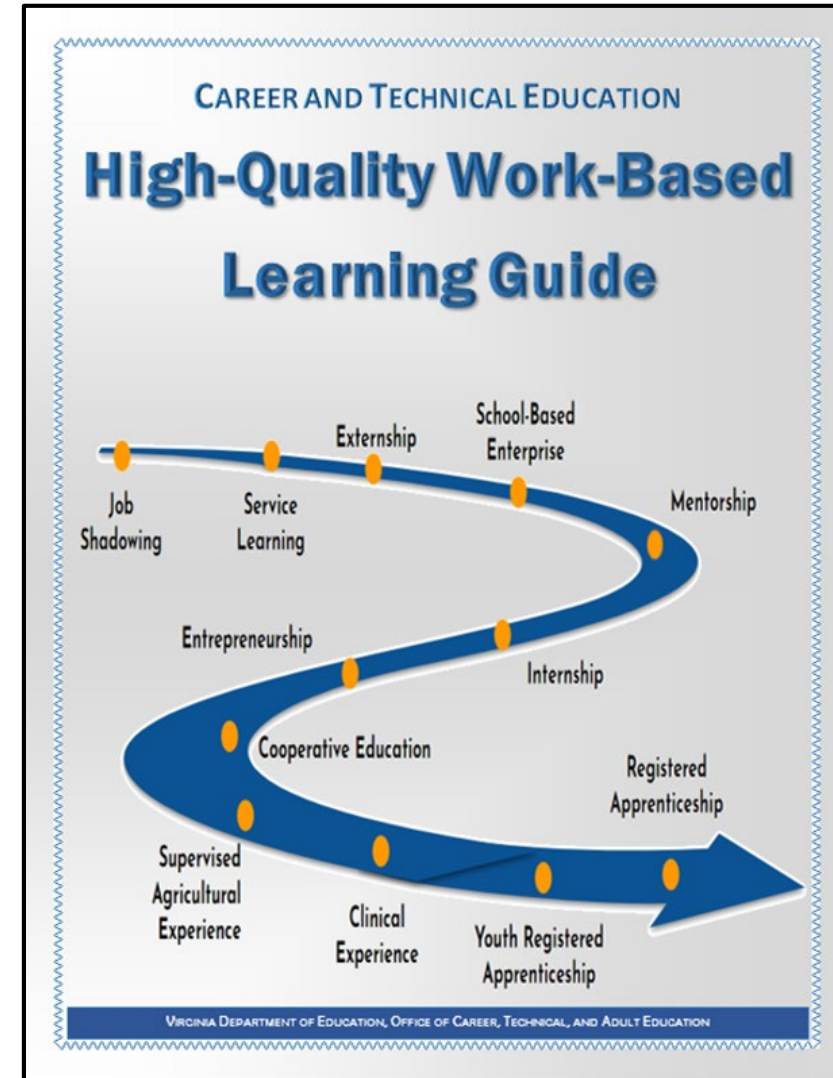
Note: The Virginia Administrative Code regulates the class size for this course. For additional information, see 8VAC20-120-150, "Maximum class size," or contact the Virginia Department of Education Office of Career, Technical and Adult Education at cte@doe.virginia.gov.

Credentials, Course Sequences, and Career Clusters/Pathways can be found here:

<https://www.cteresource.org/career-clusters/architecture-and-construction/building-management-i/>

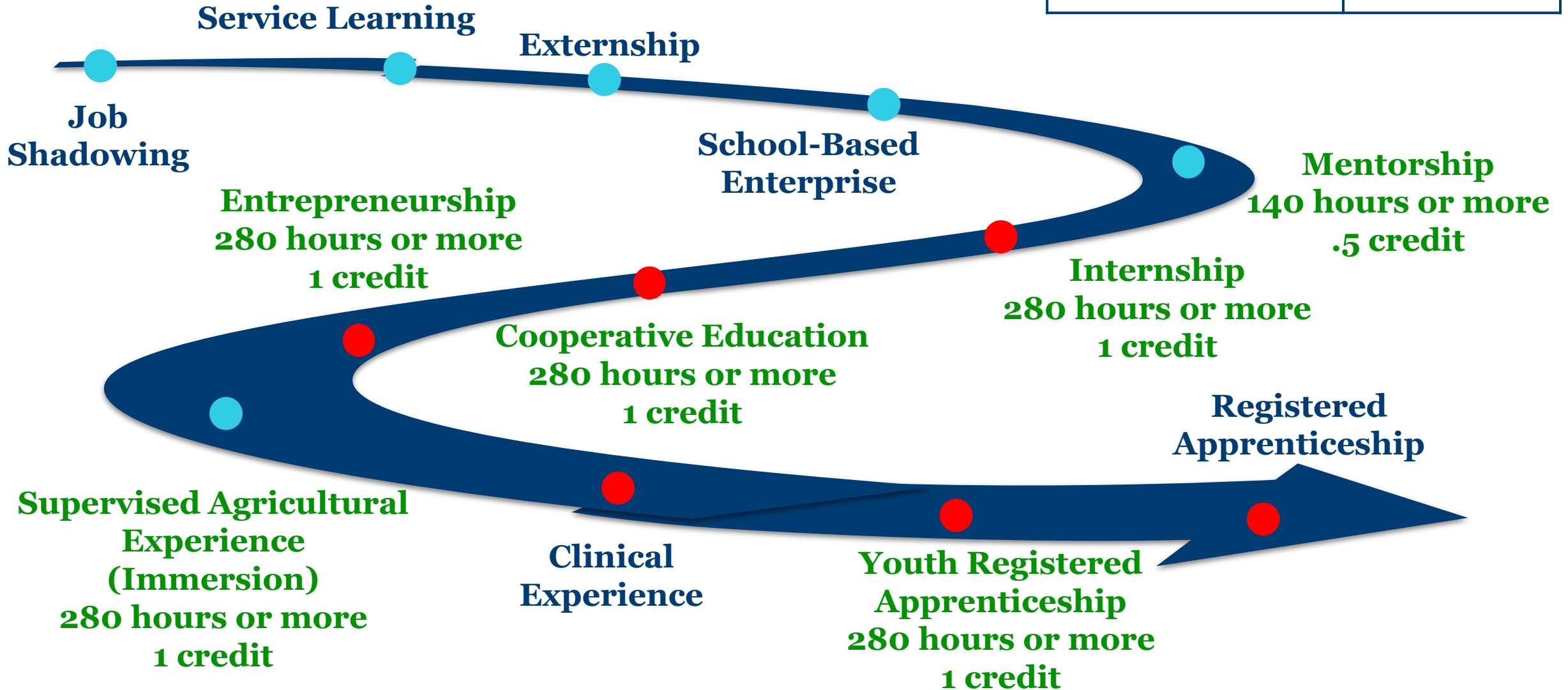
High-Quality Work-Based Learning Guide

- **Career and Technical Education Work-Based Learning Guide** (Word) is based on the redesigned methods of instruction effective August 4, 2022.



12 HQWBL Experiences

Grades 6-12	●
Grades 9-12	●
HS Credit Earned	Green



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2023 Creating Excellence Awards

The Creating Excellence Awards promote best practices in education and recognize exemplary contributions that improve the quality of secondary and postsecondary CTE programs statewide.

Dates to Remember	
Local Judging	March 1, 2023
Deadline for submitting local award winner(s) application(s) to the VDOE	March 10, 2023
Judging Panel	April 6, 2023
Awards Luncheon	June 8, 2023



- Video profiles of former students who are now in their 20s and 30s.
- Each profile will feature the 17 career clusters and active military personnel.

[Career Success Stars Video Profiles](#)

SUPERINTENDENT'S & PRINCIPALS' MEMOS

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SUPERINTENDENT'S & PRINCIPALS' MEMOS

Weekly memoranda from the superintendent of public instruction are the means by which the Virginia Department of Education communicates official information to the commonwealth's school divisions. Superintendent's memoranda are posted on Fridays.

This Week's Superintendent's Memos

October 28, 2022

- MEMO 258-22
[Opportunity to Comment on a Waiver from the United States Department of Education on the Number of Students Being Assessed on the Virginia Alternate Assessment \(PDF\)](#)
- MEMO 257-22
[Community Schools Development and Implementation Grant \(PDF\)](#)
- MEMO 256-22
[Seeking Nominations \(High School Seniors\) for the 2023 U. S. Presidential Scholars \(PDF\)](#)
 - [MEMO 256-22, Attachment A: VDOE 2023 Presidential Scholars Nomination Form \(Word\)](#)
- MEMO 255-22
[Guidelines for Policies on Sudden Cardiac Arrest Prevention in Student-Athletes \(PDF\)](#)
- MEMO 254-22
[2022-2023 Title I, Part C, Education of Migratory Children Consortium Incentive Grant Allocations under Provisions of the Elementary and Secondary Education Act of 1965, as Amended by the Every Student Succeeds Act \(ESSA\) \(PDF\)](#)
 - [MEMO 254-22, Attachment A: Additional Required Special Terms and Conditions for Grant Awards or Cooperative Agreements \(Word\)](#)
 - [MEMO 254-22, Attachment B: Title I, Part C, Education of Migratory Children 2022-2023 Grant Allocations \(XLSX\)](#)
 - [MEMO 254-22, Attachment C: Elementary and Secondary Education Act of 1965, as Amended, Title I, Part C, Terms of Grant Award \(Word\)](#)
- MEMO 253-22
[2022-2023 Title I, Part C, Education of Migratory Children Allocations under Provisions of the Elementary and Secondary Act of 1965 \(ESEA\), as Amended by the Every Student Succeeds Act \(ESSA\) \(PDF\)](#)
 - [MEMO 253-22, Attachment A: Additional Required Special Terms and Conditions for Grant Awards or Cooperative Agreements \(Word\)](#)
 - [MEMO 253-22, Attachment B: Title I, Part C, Education of Migratory Children 2022-2023 Grant Allocations \(XLSX\)](#)
 - [MEMO 253-22, Attachment C: Elementary and Secondary Education Act of 1965, as Amended, Title I, Part C, Terms of Grant Award \(Word\)](#)
- MEMO 252-22
[Alternative Accreditation Plan Applications for Special Purpose Schools \(PDF\)](#)

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SUPERINTENDENT'S & PRINCIPALS' MEMOS

Superintendent's Memos

Principals' Memos

You May Also Be Interested In:

- General Assembly - Legislative Tracking Reports
- Board of Education Meetings
- Standards of Learning (SOL)
- Standards of Accreditation
- Instruction


CONTACT US

Information on this page is provided by the [Superintendent of Public Instruction](#).

CTE DIRECTOR MEMOS

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CTE RESOURCES

Directories

- [Alpha CTE Administrators Directory](#) (Word) - Revised October 3, 2022
- [Regional CTE Centers](#)

CTE Director Memos

2022-23

- [Application for New Career and Technical Education Program - Course](#) (Word) - Memo 208-22, October 14, 2022
- [Announcement of the Career and Technical Education \(CTE\) Budget and Grants Manager Position](#) (Word) - Memo 207-22, October 12, 2022
- [Clever Integration with the Virginia Education Wizard](#) (Word) - Memo 206-22, October 7, 2022
- [2022-2023 Career and Technical Education Reporting System \(CTERS\) User's Manual](#) (Word) - Memo 205-22, October 3, 2022
- [Fall CTE Professional Development Sessions](#) (Word) - Memo 204-22, October 3, 2022
- [Announcement of the Career and Technical Education \(CTE\) Curriculum and Instruction Coordinator Position](#) (Word) - Memo 203-22, September 16, 2022
- [Announcing the 2022 Nurse Aide Professional Development Virtual Workshops](#) (Word) - Memo 202-22, July 19, 2022

2021-22

- [Announcing the 2022 Summer Health and Medical Sciences Professional Development](#) (Word) - Memo 201-22, June 21, 2022
- [Announcing the 2022 Summer Professional Development for Technology and Engineering Education](#) (Word) - Memo 200-22, June 17, 2022
- [Announcing the Global Plant the Moon Challenge Winners from Virginia](#) (Word) - Memo 199-22, June 14, 2022
- [Individual Registration Now Open for Experience Works 2022 - Trailblazing Together](#) (Word) - Memo 198-22, June 9, 2022
- [Federal Perkins Funds Guidance for Early Registration Costs, Hotel Deposits and Travel Costs for 2022 Summer Conferences](#) (Word) - Memo 197-22, May 31, 2022
- [Experience Works - Trailblazing Together for High-Quality Work-Based Learning](#) (Word) - Memo 196-22, May 9, 2022
- [Announcing the 2022 Summer Trade and Industrial Education Professional Development](#) (Word) - Memo 195-22, May 5, 2022
- [Announcing the 2022 Career and Technical Education \(CTE\) New Teacher Institute](#) (Word) - Memo 194-22, May 5, 2022
- [Announcement of the Office of Career, Technical, and Adult Education Associate Director](#) (Word) - Memo 193-22, March 23, 2022
- [Governor's STEM and Health Sciences Academics Review](#) (Word) - Memo 192-22, March 14, 2022

CAREER & TECHNICAL EDUCATION

- Agricultural Education
- Business & Information Technology
- Career Connections
- Family & Consumer Sciences
- Health & Medical Sciences
- Marketing
- Technology Education
- Trade & Industrial Education

Instructional Support:

- Career Clusters
- CTE Programs & Initiatives
- CTE Resource Center Curriculum Resources
- CTSOs - Career & Technical Student Organizations
- Cybersecurity
- Equipment for CTE Programs
- Governor's Health Sciences Academies
- Governor's STEM Academies
- Regional CTE Centers

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Trade and Industrial Education and Related Clusters

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http://www.doe.virginia.gov/instruction/career_technical/index.shtml