

TO: Members of the State Board of Education

FROM: Carey M. Wright, Ed.D., Interim State Superintendent of Schools 

DATE: April 30, 2024

SUBJECT: Career and Technical Education (CTE) Program and Blueprint Alignment Updates

Purpose

This presentation aims to provide a briefing to the State Board of Education on Maryland's Career and Technical Education (CTE) programs, alignment of Maryland's CTE programs to the Blueprint for Maryland's Future, highlight statewide activities that occurred during CTE Month in February, and showcase CTE programming in Carroll County Public Schools at their Technical Center.

Background

Maryland's CTE system, supported by federal funding through the Carl D. Perkins Act, is crucial for preparing students for high-demand careers. This system integrates with the Blueprint for Maryland's Future, enhancing student readiness across ten Career Clusters that align with state and national economic needs. This strategic alignment ensures that CTE programs adapt to evolving industry requirements, boosting the employability of graduates. Local education agencies (LEAs) have engaged in authentic activities that demonstrate broad impact and success of Maryland's CTE programs. Therefore, today's presentation will also highlight statewide CTE month activities and showcase specific initiatives in Carroll County Public Schools.

Executive Summary

1. Background on the CTE System in Maryland
2. Connecting the CTE System to the Blueprint for Maryland's Future
3. CTE and the Blueprint in Action
4. Highlighting state-wide CTE Month Activities

Action

No action is required; this information is for discussion only.

Attachments

Update on Career and Technical Education.pptx

Carroll County Public Schools CTE Presentation.pptx

OFFICE OF COLLEGE AND CAREER PATHWAYS

Career and Technical Education Update

April 30, 2024

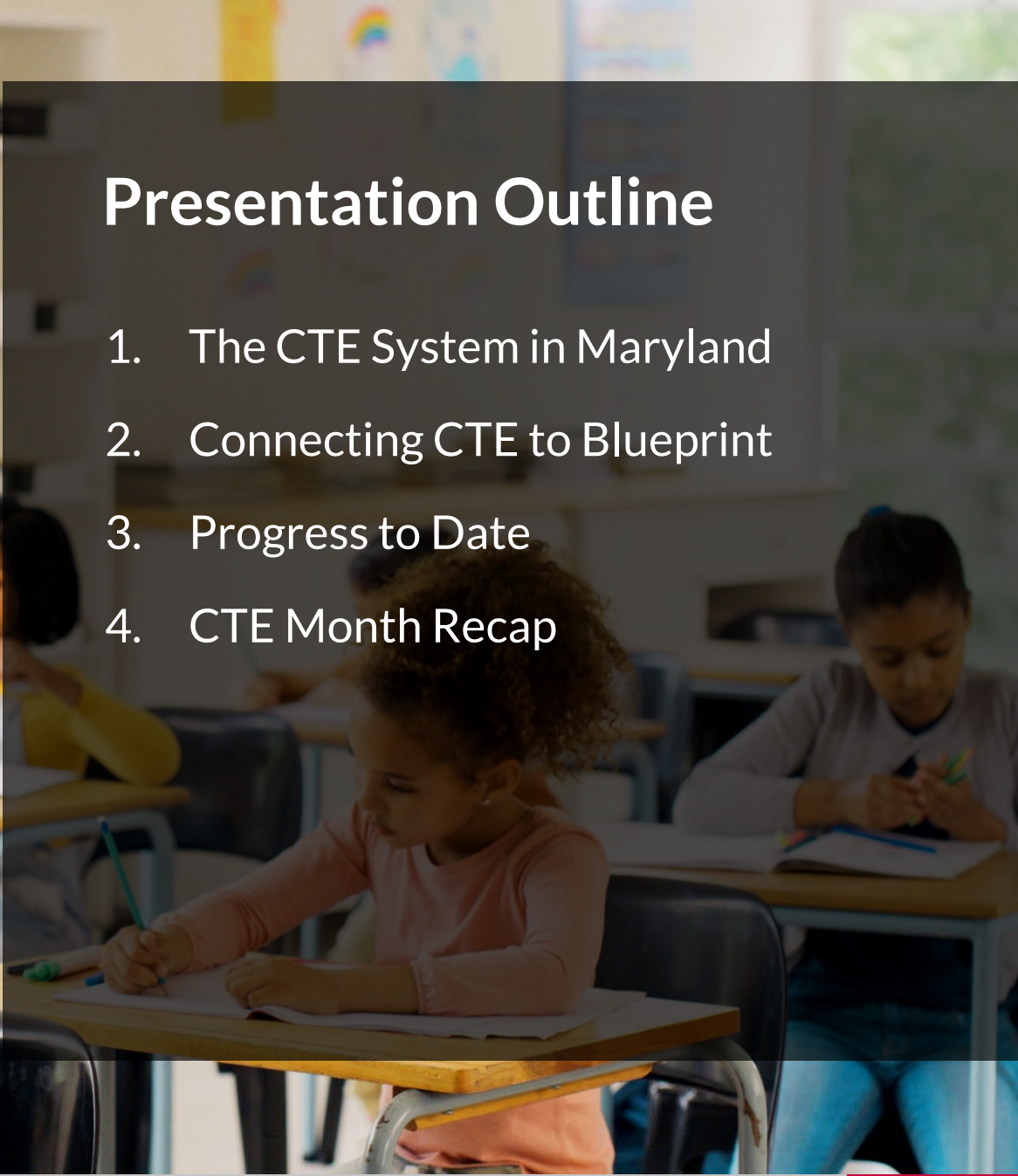
Presented By | Dr. Deann Collins, Deputy Superintendent, Office of Teaching and Learning
Richard W. Kincaid, Senior Executive Director, Office of College and Career Pathways





Presentation Outline

1. The CTE System in Maryland
2. Connecting CTE to Blueprint
3. Progress to Date
4. CTE Month Recap



Carl D. Perkins Career and Technical Education Act (Perkins V)

The purpose of Perkins V is to **increase funding** for career and technical education for secondary and post-secondary institutions to **prepare students for the workforce.**

- First authorized by the federal government in 1984 and reauthorized in 1990 (Perkins II), 1998 (Perkins III), 2006 (Perkins IV), and **2018 (Perkins V)**
- Perkins V Continued Congress' commitment in providing nearly **\$1.4 billion annually** for career and technical education (CTE) programs
- **Perkins V** represents an opportunity to expand possibilities for **every student** to explore, choose, and follow **CTE programs of study** and career pathways to **earn credentials of value**
- In Maryland, the Perkins V allocation is **\$20,583,367**

State Perkins Allocation - \$20,583,367

The Carl D. Perkins Grant is the financial engine that enables high quality, innovative career programming in Maryland.

Local Funds – At Least 85% of Total State Allotment - \$17,495,862

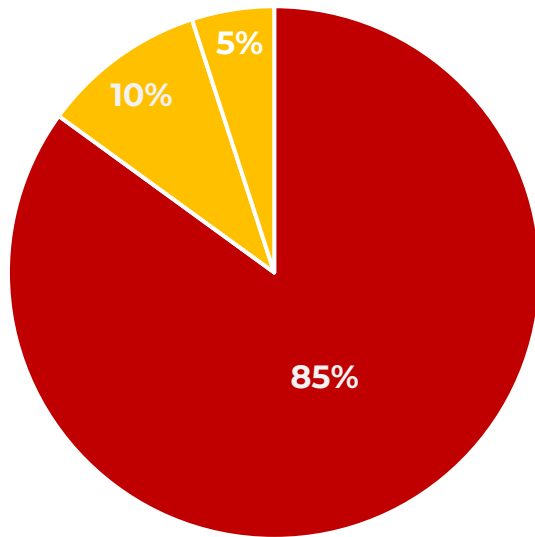
- Formula-based (65% Secondary / 35% Postsecondary).
- Reserve Funds – Up to 15% of the 85% may be distributed in an alternative manner to local applicants– Maryland reserves 5%.

State Leadership – 10% of the Total State Allotment - \$2,058,337

- Includes \$60,000 to \$150,000 for services that prepare individuals for non-traditional fields.
- Up to 2% of allocation (20% of state leadership funds) for serving individuals in state institutions.
- At least the lesser of 0.1% or \$50,000 for recruiting special populations to enroll in CTE.

State Administration – 5% of the Total State Allotment - \$1,029,168

- Up to 5% or \$250,000 whichever is greater. These funds must be matched by state funds.



- Local Funds
- State Leadership

A High-Quality CTE System Includes:

- Rigorous **academic** and **technical content**
- **Multiple entry and exit points**
- Is aligned with the **needs of industries in the economy**
- Prepares individuals for **further education** and careers in **high-skill, high-wage, or in-demand** industry sectors or occupations
- Provides access to **postsecondary credentials of value**, which include an industry-recognized credential, a certificate, or an associate degree
- **Work-based** or applied **learning**
- **Coordination** between **secondary** and **postsecondary** through **articulation agreements** or **dual enrollment**
- **Career exploration and awareness** as early as 5th grade

CTE Programs are Organized into Career Clusters

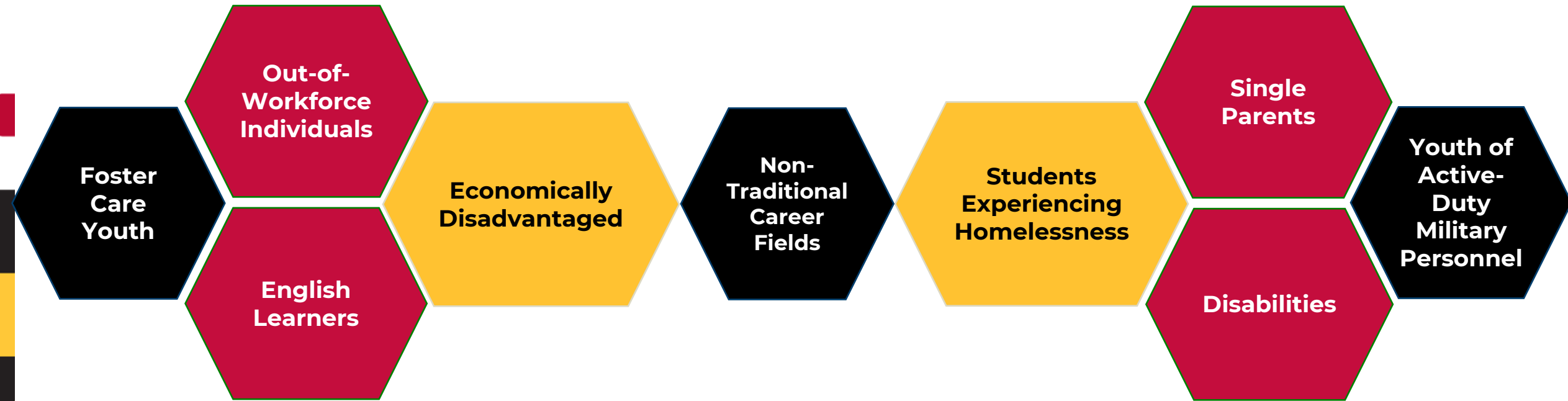
- **Career Clusters** organize CTE programs of study by groupings of occupations and industries based on shared features that require similar knowledge of skill sets.
- Each Career Cluster **has several Programs of Study aligned to established academic and technical skill standards** to ensure student preparation for college and careers. CTE programs of study provide the opportunity for students to engage in workplace learning experiences, apprenticeships, and earn postsecondary and/or industry recognized credentials.
- Maryland has 10 Career Clusters:

1. Arts, Media, and Communication
2. Business Management and Finance
3. Construction and Development
4. Consumer Services, Hospitality, and Tourism
5. Environmental, Agricultural, and Natural Resources

6. Health & Biosciences
7. Human Resource Services
8. Information Technology
9. Manufacturing, Engineering & Technology
10. Transportation Technologies

CTE Programs Are Focus on Special Populations

A foundational requirement of Perkins V is to ensure that CTE Programs of Study serve students who fall into one or more of the 9 special populations categories.



Maryland's CTE Development Standards

COMAR
13A.04.02.03



- Maryland's CTE Development Standards are **based on the federal definitions** of CTE and CTE Program of Study and include content on academic and technical skills, credentialing, work-based learning, and data.
- They also include content on **career clusters** as an organizational framework for CTE programs, opportunities for students to participate in **career and technical student organizations**, and **collaboration with stakeholder groups**, including industry and postsecondary.

CTE and Blueprint: Aligning Priorities

- Development of a **Framework for High Quality CTE** Programs (Pillar 3)
- Determining **credentials of value** aligned with industry needs (Pillar 3)
- Ensuring **equity and access** to all students (Pillar 2 and 3)
- Coordinating with the Maryland Workforce Association and AIB to develop training and supports for career counseling, also referred to as **“career coaching”** (Pillar 3)
- Establishing **Apprenticeship** as the gold standard for work-based learning experiences (Pillar 3)
 - By the 2030-31 school year, **45% of all graduates** must earn an industry-recognized credential and/or complete the high school level of a registered apprenticeship.

Much of the work requires MSDE to coordinate and collaborate with the CTE Committee, the Governor’s Workforce Development Board, the Maryland Department of Labor, and Maryland’s Higher Education Commission to accomplish these priorities.

CTE and the Blueprint in Action

- Coordinating with the CTE Committee and AdvanceCTE to develop the **Framework for High Quality CTE** (will be presented at the May 2024 CTE Committee Meeting)
- Collaborated with CTE Committee to **reimagine Industry-Recognized Credentials (IRCs)** and the process for ongoing review for labor alignment
- Implemented a new **Comprehensive Local Needs Assessment (CLNA)**
- Developed new **Local Application** for Carl D. Perkins Funding
- Redesigned the **Methods of Administration (MOA) State Plan** and monitoring process for equity and access
- Developed **data-driven protocols and toolkits** to explore opportunity and resources gaps for CTE programs of study
- Adjusted **State Determined Performance Levels (SDPL)** to incorporate IRCs and Apprenticeships into the federal accountability framework
- Developing new program structures and **innovative scheduling options** and toolkits for LEAs

February was CTE Month!

- The State Board of Education and Dr. Wright visited **Carroll County Technical Center** to highlight their support of high-quality programming.
- **St. Mary's County Public Schools** celebrated 100 active industry partners from their Program Advisory Committee's at a student, teacher, and partner breakfast.
- **Baltimore City Public Schools** and the Requity Foundation launched a joint youth apprenticeship program in construction, project management, and marketing.
- **Caroline County Public Schools** celebrated a new LEA-based apprenticeship program for students in IT and Culinary.
- The CTE Committee met in **Montgomery County** for their quarterly visit and to tour the Thomas Edison High School of Technology.
- **Worcester Technical High School** hosted MSDE and community members for a well-attended Youth Apprenticeship Luncheon and Employer Recruitment event.
- **MSDE Communications** and the **Office of College and Career Pathways team** developed a social media campaign to highlight programs across the state and to BUST! common myths about CTE programming.

Career & Technical Education in Carroll County Public Schools



Maryland State Board of Education Meeting
April 30th, 2024



Career & Technical Education (CTE) in Carroll County Public Schools (CCPS)

- 45 programs across 7 high schools and the Carroll County Career & Technology Center (CCCTC)
- 3,557 enrolled in CTE courses in 22-24
- 438 students met industry certification in 22-23
- 320+ internships and apprenticeships in 23-24
- SkillsUSA, Future Business Leaders of America (FBLA), Future Farmers of America (FFA), & Educators Rising
- Community partnerships & engagement



Local Advisory Council for CTE

The Local Advisory Council (LAC) is very active in Carroll County:

- 77 individual members including Carroll County Workforce Development
- 4 official meetings per year
- Assists with data review for Comprehensive Local Needs Assessment
- Provides interviewers for mock job interviews
- Provides input when adding or amending programs of study

Impact of LAC on CTE students:

- 2 LAC members have become apprenticeship hosts
- Both have a student apprentice this semester



Apprenticeships

- In partnership with Carroll County Workforce Development & the Maryland Department of Labor, we are growing the apprenticeship program
- Started with 2 apprentices in 22-23
- Expanded to 18 apprentices this school year
- Carroll County Public Schools has become an Apprentice Maryland Program host and has hired 6 apprentices this semester



Carroll County Career & Technology Education Center

Expansion and renovation of the new CCCTC to be completed this Summer



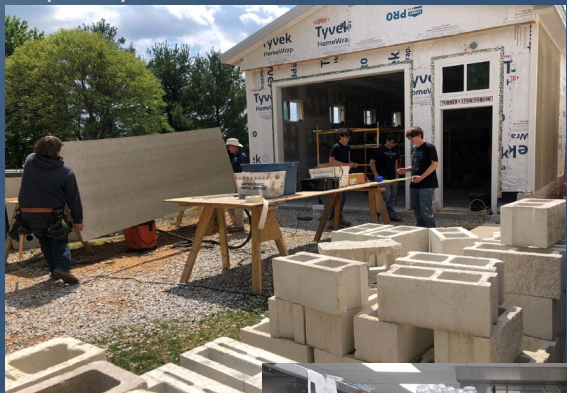
Dr. Wright, State Board of Education Members, & Marland State Department of Education Staff Visited the CCCTC in late February



Building the Future

School-Based Enterprises

Carpentry: Sheds & small structures



Cosmetology: Hair & make-up services



Print Production: Posters, banners, & signage



Culinary: Catering & meal services



Masonry: Fireplaces & mailboxes

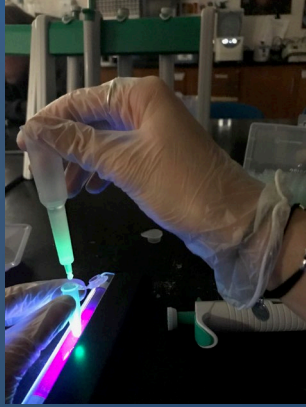


Student Spotlight



- Liam R:
 - 12th grade
 - Liberty High School
 - Applied Mechanical Engineering Program





Questions?

