

# *VACTEA*

*Virginia Association of Career and Technical  
Education Administrators  
Annual Conference*



*Career and Technical Education  
“A Pathway To Success and Opportunity”*

*October 26 - 28, 2021*

*Virtual*

# *VACTEA*

## **Virginia Association of Career and Technical Education Administrators**

### **Annual Conference**

**October 26-28, 2021**

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**Virginia Association of Career and Technical Education  
Administrators  
Annual Conference**

**Tuesday, October 26, 2021**

10:00 a.m. - 11:35 a.m.

Opening Session

Virginia Department of Education (VDOE) Updates

11:35 a.m. - 12:05 p.m.

New Administrators Onboarding Part I

12:10 p.m. - 12:50 p.m.

Vendor Working Lunch

12:55 p.m. - 1:20 p.m.

Virginia ACTE/Policy Updates

1:20 p.m. - 1:55 p.m.

New Administrators Onboarding Part II

1:55 p.m. - 2:00 p.m.

Closing Remarks

**Wednesday, October 27, 2021**

12:30 p.m. - 1:55 p.m.

Opening Session

Virginia Department of Education (VDOE)

Updates

2:00 p.m. - 2:45 p.m.

Second General Session

2:50 p.m. - 3:35 p.m.

Third General Session

3:40 p.m. - 4:25 p.m.

First Breakout Session

4:30 p.m. - 4:45 p.m.

Closing Remarks

**Thursday, October 28, 2021**

9:00 a.m. - 9:55 a.m.

Opening Session

Virginia ACTE/Policy Updates

10:00 a.m. - 10:45 a.m.

Second General Session

10:50 a.m. - 11:35 a.m.

First Breakout Session

11:50 a.m. - 12:35 p.m.

Second Breakout Session

12:40 p.m. - 1:15 p.m.

Third General Session

1:20 p.m. - 1:50 p.m.

VACTEA Business Meeting

1:50 p.m. - 2:00 p.m.

Closing Remarks

**Tuesday, October 26, 2021**  
**New Administrators Workshop**  
**10:00 A.M. - 2:00 P.M.**

- 10:00 a.m. - 10:05 a.m. Welcome and Opening Remarks**  
Angela Rigney, VACTEA President
- 10:05 a.m. - 11:35 a.m. VDOE Updates**  
George R. Willcox, Director, Operations and  
Accountability, Office of Career, Technical, and Adult Education, Virginia  
Department of Education
- 11:35 a.m. - 12:05 p.m. New Administrators Onboarding Part I**  
Angela Rigney, VACTEA President  
Todd Lynn, VACTEA President-Elect  
Bo Bundrick, Virginia ACTE Representative
- 12:10 p.m. - 12:50 p.m. Vendor Working Lunch**
- 12:55 a.m. - 1:20 p.m. Virginia ACTE/Policy Updates**  
Darla Miller, Executive Director, Virginia ACTE
- 1:20 p.m. - 1:55 p.m. New Administrators Onboarding Part II**  
Angela Rigney, VACTEA President  
Todd Lynn, VACTEA President-Elect  
Bo Bundrick, Virginia ACTE Representative
- 1:55 p.m. - 2:00 p.m. Closing Remarks**  
Angela Rigney, VACTEA President

**Wednesday, October 27, 2021**  
**CTE Administrators Workshop**  
**12:30 P.M. - 4:45 P.M.**

- 12:30 p.m. - 12:40 p.m. Opening Session**  
Angela Rigney, VACTEA President, Presiding  
Welcome and Opening Remarks
- 12:40 p.m. - 1:55 p.m. VDOE Updates**  
George R. Willcox, Director, Operations and  
Accountability, Office of Career, Technical, and Adult Education, Virginia  
Department of Education

**2:00 p.m. – 2:45 p.m. First General Session**

***Employment Vulnerability of Virginia's CTE Career Clusters and Pathways to COVID-19***

***Kathryn Crespin and Dr. Terance Rephann***

Researchers from the Center for Economic and Policy Studies at the University of Virginia's Weldon Cooper Center for Public Service will discuss which of Virginia's CTE career clusters and pathways may be more susceptible to short- and long-run employment disruption associated with the COVID-19 pandemic. To measure potential employment disruption, the pandemic-related vulnerability of each occupation is assessed based on four occupational risk attributes: (1) workplace disease exposure, (2) "critical workforce" designation, (3) remote work potential, and (4) automation risk. These occupational risk measures are then mapped onto CTE career clusters and pathways to determine which have been most affected by the pandemic and are more likely to experience growth or decline in the future as a result of long-term structural changes. The presenters will also outline ways in which these research findings can help inform CTE administrative planning during a period of rapid change.

**2:45 p.m. – 2:50 p.m. Break**

**2:50 p.m. – 3:35 p.m. Second General Session**

***CTECS Workplace Readiness Skills Progress and Innovation***

***Darren Morris and Ken Potthoff, Deputy Executive Director, CTECS***

CTECS improved the WRS Assessment<sup>©</sup> and instructional resources and looks forward to a sharp rise in testing and credentialing this year. Our new partnership with Tallo is adding significant value to our strategic plan: to connect more of your students to real-world opportunities based on the WRS digital badge and CTE program success. CTECS released new activities to the CTE Resource Center for dissemination and maintain our proven resources and vocabulary through our [wrs.ctecs.org](http://wrs.ctecs.org) site. Further, we now offer online curricula for middle and high school students, to foster CTE pipeline development to significantly improve career exploration, planning, and success.

**3:40 p.m. – 4:25 p.m. First Breakout Session**

***NEXTGEN Aviators - The World of Aviation (& Beyond)***

***Anthony Whitehead, NEXTGEN Aviators***

We will present NEXTGEN Aviators, its origins, its mission, and how we seek to serve and positively impact thousands of students across our Commonwealth. We will share the seven activities the students engage with and how teachers can use this event and the students' experiences activities to build interest and excitement in the classroom. We'll discuss how to tie NEXTGEN Aviators activities to both STEM curriculum and to CTE learning. Lastly, we'll explore the many career opportunities in aviation beyond just the pilot, mechanic, and flight attendant.

***Bringing Computer Science to Your School Through Engineering***

***Daniel Fancett-Stooks and Jennifer Tolley, Henrico County Public Schools***

Multiple AP Computer Science curriculums have been available through College Board for some time. In 2020-21, Henrico County teacher's piloted a course in partnership with Project ExCITE, ITEEA and Hofstra University, where the developed curriculum was designed for Technology & Engineering to teach the AP CSP concepts through an engineering lens. Starting in 2021, course # 8449 is available for endorsed teachers in TEE to offer this class to students.

**4:30 p.m. – 4:40 p.m. Vendor/Sponsorship Recognitions**

**4:40 p.m. – 4:45 p.m. Closing Remarks**

**Thursday, October 28, 2021**  
**CTE Administrators Workshop**  
**9:00 A.M. - 2:00 P.M**

**9:00 a.m. - 9:10 a.m.    Opening Session**

Angela Rigney, VACTEA President, Presiding  
Welcome and Opening Remarks

**9:10 a.m. - 9:55 a.m.    Virginia ACTE/Policy Updates**

Darla Miller, Executive Director, Virginia ACTE

**10:00 a.m. - 10:45 a.m.    First General Session**

***Self-Identified Professional Development Needs of Virginia CTE Teachers***  
***Gary Lupton, Salem City Schools***

This presentation will review the findings of a doctoral dissertation study on the professional development topics identified by Virginia CTE teachers as the most important for improving their professional practice. The study identified specific teaching competencies and broad categories of competencies deemed most needed by Virginia CTE teachers. The session will cover the findings and provide recommendations for planning future PD sessions for CTE teachers.

**10:50 a.m. - 11:35 a.m.    First Breakout Session**

***Sustainability Education in Action***

***Dr. Ray Wu-Rorrer, Falls Church City Public Schools***

The Falls Church City Public School System is integrating sustainability education throughout the entire school system. Projects include environmental science, design, engineering, energy, and water/food systems.

***A Two-Decade Review of CTE Role in Preparing Virginia Nurses***

***Dr. Yetty Shobo***

Using data for 3,843 registered nurses (RNs) and 466 licensed practical nurses (LPNs) from the Virginia Longitudinal Data System (VLDS) which links the RN Workforce and the LPN Workforce Surveys' data to K-12 and post-secondary education data, this study examined how passing a career technical education (CTE) course during high school impacts students' future likelihood to become a registered nurse compared to a licensed practical nurse. This study found that passing CTE was positively associated with becoming a LPN rather than an RN. The study also found racial/ethnic and economic factors played important roles in nurses' educational pathways and outcomes with important equity implications. The findings from the research has important implications for CTE recruitment and design in Virginia schools.

**11:35 a.m. - 11:50 a.m.    Break**

**11:50 a.m. - 12:35 p.m.    Second Breakout Session**

***Creating an Impact with Credentialing***

***Jane Brown***

"Creating an Impact with Credentialing: One Size Does NOT Fit All" is a recorded presentation to be used as a resource to better understand Virginia's credentialing initiatives and to increase best practices that align credentialing to a student's individual academic goals, technical skills, and career plans. Participants will explore WHAT Virginia Code considers a credential, identify reasons WHY credentialing is important for students and examine best practices for HOW to implement a strong credentialing program. Strategies are shared to help build

and sustain such efforts and active links within the presentation will assist in using this presentation as professional development with others, as you build your division's credentialing program.

***The Relationship Between The Earning of CTE Industry Credentials and The Virginia Economy***  
***Anjanette Hendricks, Virginia Beach Schools***

Nationally, the labor market is calling out for workers to fill the increasing number of job vacancies, but those qualified, skilled, and able to fill them are limited in supply or retiring in large numbers. As America's key industries offer high salaries in return for candidates with the necessary skills and credentials to fill their vacancies, the skills learned and third-party industry credentials earned in secondary Career and Technical Education (CTE) programs seem to make a perfect fit for the student, employer, and the economy. However, widely held misperceptions of CTE and unfamiliarity with industry credentials perpetuate this skills crisis while undermining high school students' economic potential. Using a non-experimental, quantitative study employing ex post facto data, a Likert survey, and a closed-ended question survey, this study shows CTE industry credentials' economic value in dollar terms for students and for Virginia's Treasury in potential income tax revenue for the next five years.

**12:40 p.m. - 1:15 p.m. Third General Session**

***Innovation, Opportunity, and Excellence***

***Angela Rigney, Director of Career, Technical, and Adult Education, Pittsylvania County Schools***

This session will share the importance of creating partnerships and how grant funds have supported the efforts of the initiatives in our region. The model in which we have developed within Precision Machining has allowed us to increase the pipeline of a skilled workforce in Advanced Manufacturing. The next steps in this economic development shift in growing our region is to ensure we incorporate all areas within GO-TEC, which include Robotics/Automation, Information Technology & Cybersecurity, Welding, Precision Machining, Engineering, and Health and Medical Sciences. In order to accomplish this we need increased awareness and exploration opportunities at the elementary and middle school levels followed with more specialization in our high schools. The idea is to provide more STEM-H equipment and curricula to the elementary schools, implement the new Career Explorations Lab at the middle schools, and develop more robust training pathways at the high schools and Pittsylvania Career and Technical Center.

**1:20 p.m. - 1:50 p.m. VACTEA Business Meeting**

**1:50 p.m. - 2:00 p.m. Closing Remarks**

***On behalf of the VACTEA Board, I would like to thank you for taking time to participate in the 2021 VACTEA Conference. Best wishes on a successful school year.***

***Angela Rigney, VACTEA President 2021-2022***

## Sponsors

VACTEA greatly acknowledges the following organizations for their participation in the conference and their contributions to our professional organization.



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