

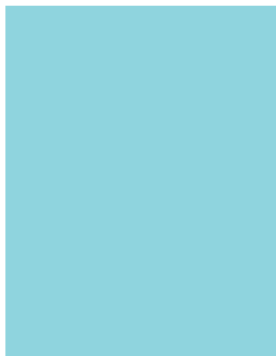
Setting a New Standard



PATHWAYS TO COLLEGE & CAREER READINESS

Career Clusters™

June 18-20, 2012 | Washington, DC



Evaluations

Your evaluation of the 2012 National Career Clusters™ Institute is critical to planning future conferences. Please be sure to complete the overall Institute evaluation included in your packet as well as the forms available in each breakout room.

Help Desk

A help desk will be available at the registration desk.

Sunday, Monday, Tuesday: Palladian Foyer
Wednesday: Regency Foyer

Internet Access

Complimentary Internet service is available in guest rooms with Select Guest Enrollment.

To see list of benefits: <http://www.omnihotels.com/SelectGuestProgram/MemberBenefits.aspx>

To join: https://ssl.omnihotels.com/sg?pagedst=SG5&lang_code=en-us

Continuing Education Units

Offered again this year! The Institute is again offering attendees the opportunity to earn Continuing Education Units (CEU) through the Delphi Center for a nominal fee. Educators will be able to acquire CEUs while they learn about the most up-to-date best practices taking place with Career Clusters™. See page 5 for more details.

Lost and Found

All articles will be held at the registration desk.

Meals Provided

Institute registration fees include the following:

Light Hors D'oeuvres Reception

Monday, 5:15 p.m. – 6:15 p.m.

Continental Breakfasts

Tuesday and Wednesday, 7 a.m. – 8 a.m.

Institute Luncheon

Tuesday, Noon – 1:15 p.m.

NOTE: Your name badge is your ticket to a meal/function!

Message Board

A board will be provided outside the registration desk for Institute updates as well as personal messages. You may pick up or leave messages at any time.

Name Badges

Name badges are required at all Institute sessions, meals, and events, including the evening reception. Lost name badges may be replaced at the registration desk.

Photo and Audio Consent

By registering, you grant permission for the use of your name, voice and/or likeness related to your participation in any event affiliated with the Institute. You waive all rights to any compensation and to approve the images, audio and/or printed and electronic material in which they are used, and you release NASDCTEc and its employees and agents from any claims, damages or liability.

Registration Desk Hours

Pre-Session Registration

Located at the Palladian Foyer.
Sunday: 9 a.m. – 5 p.m.

General Institute Registration

Located at the Palladian Foyer on Monday and Tuesday
Located at the Regency Gallery On Wednesday
Monday: 7 a.m. – 5:15 p.m.
Tuesday: 7 a.m. – 4:45 p.m.
Wednesday: 7 a.m. – Noon

Sponsor Exhibits

Sponsor exhibits are displayed in the Palladian Room during the following hours:

Monday: 9 a.m. – 6:30 p.m.
Tuesday: 7 a.m. 4:45 p.m.

Team Room

Did you know you have a room available to meet with members of your state, or school district group? Check the message board for the schedule of openings and reserve your room now.



Transportation

The Omni Shoreham is located 8 miles from Ronald Reagan Washington National Airport. Transportation is available to the hotel via:

- **Metro:** Take the Blue Line metro in the direction of Largo to Metro Center. Change to the Red Line in the direction of Shady Grove. Take Red Line to Woodley Park/Zoo Metro Station. The hotel is located one block from the metro. Once you have exited the Metro via the escalators, go to the right and down the stairs. Go to the left and walk to Calvert St (1 block). Cross the street and take a right. The hotel will be on your left hand side. Approximately \$1.35 - \$2.55 per person.
- **Super Shuttle:** transportation is available through Super Shuttle to the Hotel. Super Shuttle is located at Ground Transportation and must be scheduled by the Guest, by calling 1-800-BLUE-VAN (1-800-258-3826). The trip is approximately \$14.00 for one passenger and an additional \$10 for each additional passenger.
- **Taxi:** Approximately \$20 - \$25
- **Valet parking** including in/out privileges (\$33 +tax per car daily; subject to increase).

PRE-ORDER YOUR COPY TODAY!

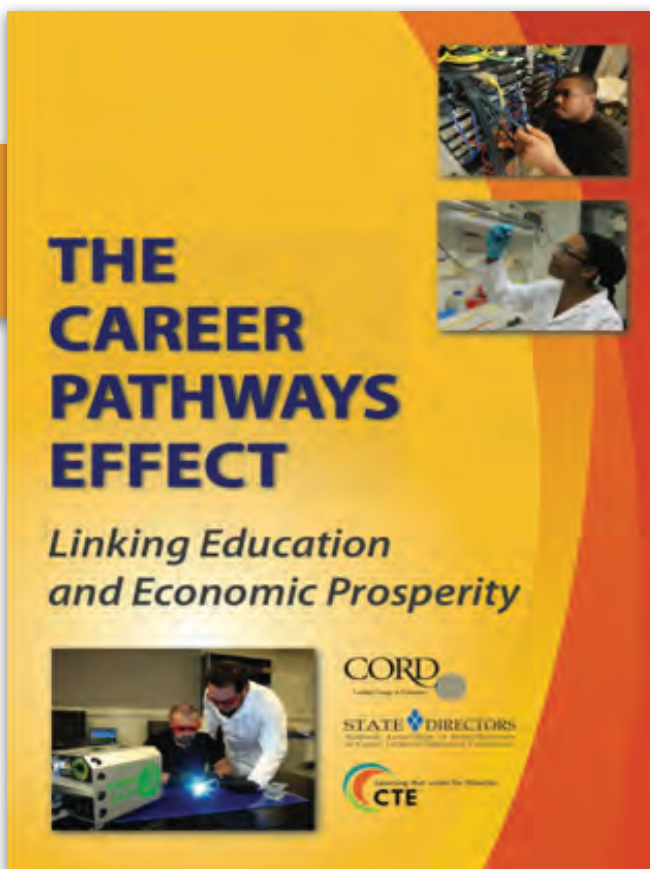
Visit www.cordcommunications.com
for a sneak peek and
executive summary of the book.

National Career Clusters™ Institute participants can pre-order *The Career Pathways Effect: Linking Education and Economic Prosperity* for a special price of \$10. This is 40% off the full price. The book will be shipped October 2012.

What's inside?

- Proven strategies that can improve all of education. Current national policy trends including college and career readiness.
- Practicable and replicable resources for practitioner implementation.
- Organized by the ten components of the Rigorous Program of Study Framework

To order, visit: www.cordcommunications.com





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Play **BINGO** and Win Big!

Free Registration and Accommodations for the 2012 Institute • New Career Clusters™ Products

Play Bingo and earn your chance to win at The National Career Clusters™ Institute. Complete the Bingo card found in your welcome packet and become eligible for the Institute raffle, which offers incredible prizes.

How to win: Find your Bingo card in your welcome packet and head to the Sponsor Exhibits. Visit each sponsor and ask them to stamp your Bingo card. When you fill out your card, return your card to the registration desk. Be present during the Closing General Session when the raffle takes place. Cross your fingers!

Grand Prize

Three nights stay at the 2013 Institute in Fort Worth, Texas (redeemable DURING the 2013 meeting)

Second Place

\$100 gift certificate toward Career Clusters™ products

Third Place

A medley of National Career Clusters™ logo products (\$50 value)

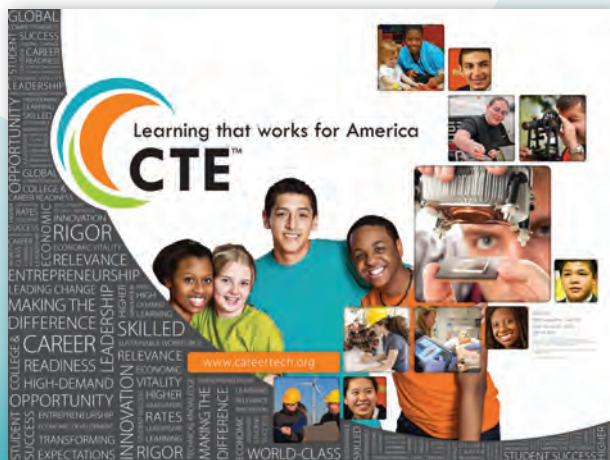
PARTICIPATING SPONSORS:

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 Oracle Academy • Adobe Systems, Inc. • Home Builders Institute
 National Research Center for Career and Technical Education • NOCTI
 Career and Technical Education Consortium of States, Incorporated • NBC Learn

Please check your Bingo card for full listing of sponsors. New sponsors may be added to your list.



CTE Awareness Campaign Materials



This brochure hits all the right notes in talking about the many ways CTE is working for America. It's easy to read, informative and loaded with important facts about the benefits of CTE to business and industry, the economy, student achievement, career and college readiness, local communities and more.

This poster features the new CTE brand logo and tagline "Learning that works for America." It's the perfect companion for any wall, exhibit, or open surface where students and parents, educators and others can see.



Order your CTE: Learning that Works for America™ Campaign Materials at www.careertech.org or call 301-588-9630

Brought to you by the National Career Technical Education Foundation & the National Association of State Directors of Career Technical Education Consortium



Continuing Education Units:

Earn Professional Development Credits at the 2012 Career Clusters™ Institute

The National Career Clusters™ Institute is again offering attendees the opportunity to earn Continuing Education Units (CEUs). Educators will be able to acquire CEUs while they learn about the most up-to-date best practices taking place with Career Clusters.™

The Institute has been accredited by the Delphi Center for Teaching and Learning at the University of Louisville, to offer up to 13 hours+ of CEU earning potential. One hour is equivalent to 1/10 of a unit. The maximum possible units earned will be 1.3 units, which include requisite attendance at the three general sessions. If you also attend pre sessions, those hours are in addition to the Institute hour potential. Cost is \$50 flat rate to participate; educators may earn the maximum units available.

Earning CEUs at the Institute can be done in a few easy steps:

STEP 1:

Pick up the forms

When you arrive at the Institute, visit the registration desk to pick up your general information/participation form. Hold onto this form until the end of your time at the Institute.

STEP 2:

Sign-in at breakout sessions

Each breakout you attend will be an opportunity for you to count towards earning CEUs. You must print and sign your name, and provide an e-mail address or telephone number at each session on a form that will be provided to you. This step will verify your participation and is essential for receiving credit. You are not responsible for sending in any sign-in forms.

STEP 3:

Turn in the paperwork and payment

You will have six weeks following the completion of the Institute to submit your general information/participation form and payment (available at the registration desk). There is a one-time fee of \$50. You will submit payment via check (payable to University of Louisville) with your paperwork or call them to pay via credit card:

Julijana Curcic

Delphi Center for Teaching and Learning
University of Louisville
Shelby Campus, 110 Founders Union building
Louisville, KY 40292

If you have any questions about payment at any point, please contact Ms. Curcic: julijana.curcic@louisville.edu, 502-852-5636

STEP 4:

Receive your certificate!

You will receive a certificate via mail with your name, the Institute's name, the number of hours accumulated and how many CEUs you have earned. (If you have questions about the certificate, please contact Ms. Curcic from the University of Louisville – see contact information above).

Message from the President



Welcome to the 2012 National Career Clusters™ Institute and to our nation's capitol, Washington, DC! As president of the National Career Technical Education Foundation (NCTEF) and our partner organization, the National Association of State Directors of Career Technical Education Consortium (NASDCTEC), I want to thank you for joining us.

Being in the DC area, you can see a city constantly on the move, driven by a complex political hub, serving as a premier destination point for tourists from across the globe who take advantage of all that is offered: world-class museums, galleries and theaters, sports venues, fantastic food, shopping, and a wide array of cultural events.

The National Career Clusters™ Institute is organized into five strands that are aligned with the principles of NASDCTEC's *Reflect, Transform Lead: A New Vision for Career Technical Education*. With the NASDCTEC Spring Meeting running concurrently with the National Career Clusters™ Institute, attendees will be uniquely positioned to learn from an even wider breadth of topics – ranging from national policy, college and career readiness, partnerships with business and industry, accountability and sharing of exciting program delivery methods—taking fresh ideas and exemplars that attendees can bring back to their home states. We are also excited to be partnering with the Office of Vocational and Adult Education (OVAE) providing superb sessions for you.



While the global economy and the current economic challenges facing our nation present an uncertain future, one thing is certain – Career Technical Education (CTE) is part of the solution. CTE is helping our nation meet the very real and immediate challenges of economic development, student achievement and global competitiveness.

This is a pivotal moment for CTE, and the time for leadership is now. During the 2012 National Career Clusters™ Institute, we will be rolling out several initiatives – the release of the validated Career Clusters™ Knowledge and Skills Statements, green/sustainability knowledge and skills, updated Career Clusters™ crosswalks, and insight into the Common Career Technical Core.

Our goal is to fulfill a CTE promise – to prepare students for success in both career and college, by employing Career Clusters™ and their curriculum framework to ensure contextual learning and academic standards that reflect the goals and interests of all learners – as exemplified in the 2012 National Career Clusters™ Institute. Please visit www.careertech.org to learn more about how CTE is leading change, transforming expectations and making the difference for students at all levels, partnering with business and industry—leading to a greater America.

Sincerely,

Patrick Ainsworth, President
National Career Technical Education Foundation
National Association of State Directors of Career Technical Education Consortium



Message from the Washington, D.C. CTE State Director



Dear Members and Friends!

On behalf of the D.C. State Superintendent of Education Hosanna Mahaley, D.C. Deputy Mayor for Education, De'Shawn Wright, Mayor Vincent C. Gray, and Chairman of the D.C. Council Kwame Brown we would like to welcome you to the 2012 National Association of State Directors of Career Technical Education Consortium (NASDCTEc) Spring Meeting and National Careers Clusters™ Institute here in Washington, DC. As we begin our national conference I am pleased and proud to be a part of a great group of educators and students in the Career Technical Education (CTE) community. My sincere appreciation goes to those who have worked so diligently to make this year's conference an unparalleled success.

We are very fortunate that NASDCTEc holds such strong commitment to our states, policy, and innovation. There is so much we can learn from each other that will help us to grow and synergize as CTE professionals. This year's 2012 conference theme, *Setting a New Standard*, offers us all the opportunity to further develop ourselves and the field of CTE.

The conference program provides an exciting combination of policy sessions and practical workshops, which highlights diverse aspects and issues in CTE education. NASDCTEc continues to work diligently to keep us informed of the most up-to-date information on CTE programs. Together we can make a difference in our students' lives. I firmly believe that CTE holds the ladder that students climb to reach their goals.

Finally, I hope you will take some time to experience Washington, DC!

With kind regards,

Tony D. Johnson, PhD
Career and Technical Education
State Director



UNITED STATES DEPARTMENT OF EDUCATION
OFFICE OF VOCATIONAL AND ADULT EDUCATION

THE ASSISTANT SECRETARY

Greetings to All:

The Office of Vocational and Adult Education (OVAE), in partnership with the National Association of State Directors of Career Technical Education Consortium (NASDCTEC), is pleased to welcome you to the 10th annual National Career Clusters™ Institute. The Institute's theme, "Setting a New Standard," offers OVAE and NASDCTEC the opportunity to showcase their standard of collaboration by offering content and policy sessions as part of the Institute's strong agenda.

This meeting holds significance as the CTE community is celebrating the 10-year anniversary of Career Clusters™. The U.S. Department of Education often refers to the 16 Career Clusters™ as a way of reframing and strengthening career and technical education. In 2001, the States' Career Clusters™ Initiative was established to provide leadership for the continued development of Career Clusters™. OVAE is proud to have been part of the 10-year journey and congratulates those who contributed to this initiative that has taken hold in states and local communities across the nation.

Career Clusters™, along with the Common Core State Standards, align standards across education and help in the creation of flexible career pathways that lead students to success. Please join us as we move forward to strengthen and support career and technical education programs and the students they serve throughout the country.

Best Regards,

A handwritten signature in blue ink that reads "Brenda".

Brenda Dann-Messier

400 MARYLAND AVE. S.W., WASHINGTON, DC 20202-7100

www.ed.gov

The Department of Education's mission is to promote student achievement and preparation for global competitiveness by fostering educational excellence and ensuring equal access.

All pre-sessions require pre-registration. If you have not pre-registered and are interested in a particular session, please visit the registration desk for more information and availability.

Sunday • June 17, 2012

Second Annual Career Academy Leadership Institute (Invitation-Only)

8 a.m. – 11:30 a.m. • SENATE

Presenters: Jan Struebing, Executive Director, National Career Academy Coalition, Philadelphia, PA

Sandy Mittelsteadt, National Career Academy Initiative Leader and author of *The Career Academy Toolkit*, Bakersfield, CA

Introduction to Career Clusters™ and Pathways 101

12:30 p.m. – 4:30 p.m. • EMBASSY

Presenter: Erika Volker, Director, Partnerships for Innovation, Papillion, NE

National Research Center for Career and Technical Education Jump Start Workshop: Career and Technical Educators Using Data-Driven Improvement (CTEDDI) (Part I of II)

12:30 p.m. – 5 p.m. • COUNCIL

Presenters: Dr. Frances Beauman, CTEDDI National Trainer, Springfield, IL

Dr. Sandra Dunkel, CTEDDI National Trainer, Springfield, IL

Dr. Sandra Pritz, CTEDDI National Trainer and Principal Investigator, Columbus, OH

Dr. John Foster, CTEDDI National Trainer and Principal Investigator, Big Rapids, MI

This pre-session is hosted by the National Research Center for Career and Technical Education (NRCCTE).

Positioning High School Marketing and Business Programs for the 21st Century: Meeting the Needs of the Post-Millennial Student (Part I of II)

12:30 p.m. – 6 p.m. • CALVERT

Presenter: Dr. Brenda Clark, Career Technical Education Director/STC Coordinator, Jenison Public Schools, Jenison, MI

Sticky Learning

1 p.m. – 5 p.m. • CONGRESSIONAL A/B

Presenter: Sandy Mittelsteadt, National Career Academy Initiative Leader and author of *The Career Academy Toolkit*, Bakersfield, CA

Increases in US Technical Competence

1 p.m. – 3 p.m. • CAPITOL

Presenter: Dr. John Foster, President/Chief Executive Officer of NOCTI, Big Rapids, MI

And the Studies Say...School Counseling and Guidance Programs Do Impact Student Achievement!

1 p.m. – 4 p.m. • CABINET

Presenters: Donna Hoffman, CTE- School Counseling Programs, Nebraska Department of Education, Lincoln, NE

Dawn Stevenson, CTE-Dropout Prevention & Career Awareness, Utah Department of Education, Salt Lake City, UT

Lillian Tsosie-Jensen, CTE- K-16 Comprehensive Counseling & Guidance Specialist, Utah Department of Education, Salt Lake City, UT

Integrating the Common Core State Standards in Mathematics and Career Technical Education: A Protocol for Developing Instructional Tasks

1 p.m. – 5 p.m. • GOVERNORS BOARD

Presenters: Kate Blosveren Kreamer, Associate Director of Strategic Communications and Outreach, Achieve

Dean Folkers, Deputy Executive Director, National Association of State Directors of Career Technical Education Consortium/ National Career Technical Education Foundation, Silver Spring, MD



Monday • June 18, 2012

Positioning High School Marketing and Business Programs for the 21st Century: Meeting the Needs of the Post-Millennial Student (Part II of II)

8 a.m. – Noon • CALVERT

Presenter: Dr. Brenda Clark, Career Technical Education Director/STC Coordinator, Jenison Public Schools, Jenison, MI

Everything You Need to Know About “Real” Academies

8:30 a.m. – 11:30 a.m. • CABINET

Presenters: Angie Grasberger, SLC Project Manager, Adult, Career & Technical Education, School District of Manatee County, Bradenton, FL

Susan Tidyman, State and Regional Coordinator, Career Academy Support Network (CASN), University of California, Berkeley, CA

Programs of Study: Nationally Designed Framework and Self-Assessment Tool

8:30 a.m. – 11:30 a.m. • CONGRESSIONAL A/B

Presenters: Debra Mills, Vice President of Partnerships, CORD, Indianola, IL

Dean Folkers, Deputy Executive Director, National Association of State Directors of Career Technical Education Consortium/ National Career Technical Education Foundation, Silver Spring, MD

STEM for All: Integrating STEM Across the Career Clusters™

8:30 a.m. – 11:30 a.m. • GOVERNORS BOARD

Presenter: Helen Winter, Education Consultant, Career Communications, Inc./American Careers Educational Programs, Overland Park, KS

Advocacy Approaches: Getting the most out of connecting with Congress

9:30 a.m. – 11 a.m. • EMBASSY

Presenter: Nancy Conneely, Public Policy Manager, National Association of State Directors of Career Technical Education Consortium

Ingredients of the Perfect Test

9 a.m. – 11:30 a.m. • CAPITOL

Presenter: Heidi Speese, Senior Project Coordinator, NOCTI, Big Rapids, MI

National Research Center for Career and Technical Education Jump Start Workshop: Career and Technical Educators Using Data-Driven Improvement (CTEDDI) (Part II of II)

9 a.m. – 11:30 a.m. • COUNCIL

Presenters: Dr. Frances Beauman, CTEDDI National Trainer

Dr. Sandra Dunkel, CTEDDI National Trainer

Dr. Sandra Pritz, CTEDDI National Trainer and Principal Investigator

Dr. John Foster, CTEDDI National Trainer and Principal Investigator

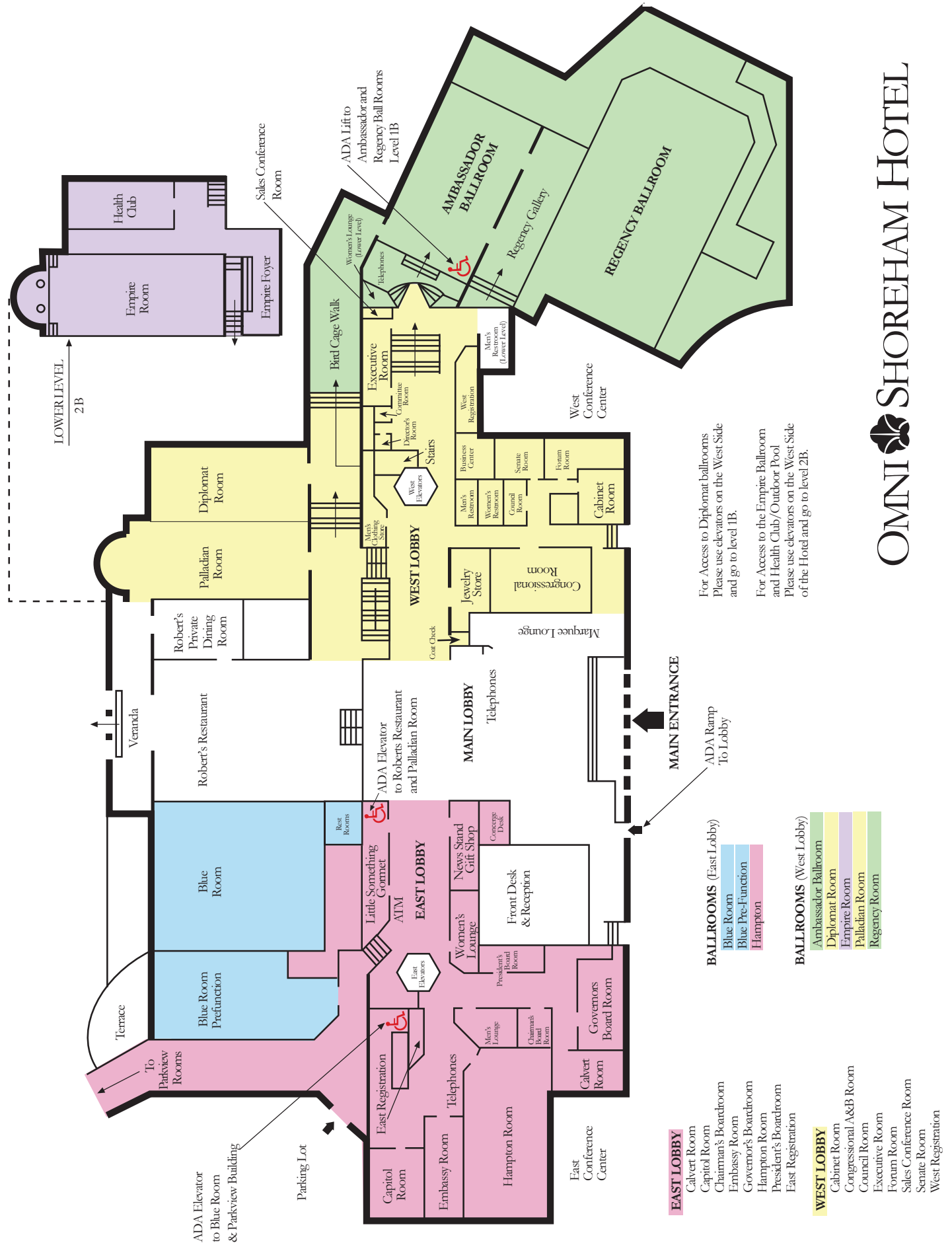
This pre session is hosted by the National Research Center for Career and Technical Education (NRCCTE).

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8 a.m. – 11:30 a.m. • SENATE

Presenters: Jan Struebing, Executive Director, National Career Academy Coalition, Philadelphia, PA

Sandy Mittelsteadt, National Career Academy Initiative Leader and author of The Career Academy Toolkit, Bakersfield, CA



OMNI SHOREHAM HOTEL



Career Cluster™ Strands

In step with this year's theme of Setting a New Standard, the 2012 National Career Clusters™ Institute will provide sessions and workshops organized into strands aligned with the five principles of *Reflect, Transform, Lead: A New Vision for Career Technical Education*. Collectively, the principles serve as guideposts for the CTE community to set priorities and make decisions affecting CTE programs and to chart a new course for CTE and the nation in the 21st century. These five guiding principles form the strands for the 2012 National Career Clusters™ Institute.

Strand A: Policy Strand (NASDCTEc Spring Meeting)

CTE is critical to ensuring that the United States leads in global competitiveness.

Sessions in this strand will share examples (state, local and regional) of leaders in education (secondary and postsecondary), workforce development, economic development and/or business that work together to increase U.S. investment in CTE. It will also include updates on the creation of a Common Career Technical Core, built upon the National Career Clusters™ Knowledge and Skill Statements, and other policy-focused best practices advancing efforts in secondary and postsecondary education systems.

Key areas of strand focus:

- State Policy Development and Implementation
- Federal Policy Implementation
- Marketing and Communication Strategies Approaches

Strand B: Partnerships Strand

CTE actively partners with employers to design and provide high-quality, dynamic programs.

Sessions in this strand will share examples (state, local and regional) where leaders in education (secondary and postsecondary), workforce development, economic development and/or business work together for shared interests and goals using Career Clusters™ as the unifying model/approach.

Key areas of strand focus:

- Examples of Collaboration
- Workforce Development
- Economic Development
- Partnership Development
- Using Data to Inform Program Decisions
- Professional Development Strategies
- Industry Trends

Strand C: College and Career Readiness Strand

CTE prepares students to succeed in further education and careers.

Sessions in this strand are targeted for leaders at the state, district and local levels in secondary and postsecondary settings. Sessions will provide practical advice, examples and resources to support College and Career Readiness and to expand/enrich current implementation of Career Clusters™. Session may include a focus on how Career Clusters™ align initiatives and improvement efforts, the impact of Career Clusters™ on curriculum, guidance and/or community engagement activities in the school.

Key areas of strand focus:

- School and Career Counseling Approaches
- Career Development and Exploration Resources
- Integrating Educational Subjects (e.g., Math and CTE, etc.)
- Common Core State Standards Integration
- Reducing Remediation and Improving Transition

Strand D: Program Delivery Methods Strand


CTE is delivered through comprehensive programs of study aligned to the National Career Clusters™ Framework.

Sessions in this strand will share examples of the impact Career Clusters™' innovative teaching and learning strategies can have in shaping programs of study and Career Technical Education efforts in secondary schools and postsecondary systems. Strategies also may include delivery and innovative implementation approaches around specific Career Cluster™ areas.

Key areas of strand focus:

- Career Clusters™ Implementation
- Teaching and Learning Innovations and Strategies
- Use of Standards, Knowledge and Skills, Competencies
- Programs of Study Development/Refinement
- CTE Delivery Systems and Approaches (including Career Academies, Model Schools, and other approaches)

Strand E: Accountability/Return on Investment Strand

 CTE is a results-driven system that demonstrates a positive return on investment.


These sessions apply to all audiences and cross varied strands.

Sessions in this strand will share examples (state, local, and regional) that exhibit high-quality, successful, scalable CTE practices, share models that demonstrate CTE's positive fiscal, societal, and economic impact, and show how data (secondary and postsecondary) is successfully used (state, local and regional) to support CTE accountability measures.


Key areas of strand focus:

- Accountability and Evaluation
- Technical Skill Assessments
- Research-Based Approaches and Studies
- Return on Investment Approaches

Other

 These sessions apply to all audiences and cross varied strands.

Vendor Sessions

 Sponsor-hosted sessions.

Audience Addressed and Session Strand

Representatives of workforce development	Representatives of economic development	State administrators of career technical education	Postsecondary administrators	Secondary administrators	Postsecondary faculty	Secondary teachers	Counselors	Other	Program Session Number	Breakout Session Title
●	●	●	●	●	●	●	●		A1	Meet and Greet with OVAE's Division of Academic and Technical Education (DATE) Managers
		●		●		●	●		A2	National and State Perspectives on Career Academies
●	●	●	●	●	●	●			A3	CTE: Learning that works for America™ Marketing Campaign
				●		●			A4	Using the Roadmap to Entrepreneurship to Engage Students in Every Career Pathway
		●		●		●			A5	Developing a Health Information Technology Workforce
		●	●	●					A6	Maryland's Implementation of New CTE Programs of Study
				●	●	●	●		A7	The STEM Schools Project: How Schools Create a STEM Culture
					●	●	●		A8	Beyond Resumes and Cover Letters
				●		●	●		A9	Vendor Session: How to Partner with Oracle to Increase Student Job Readiness • Oracle Academy

Crosswalk Matrix of Breakout Sessions



Representatives of workforce development	Representatives of economic development	State administrators of career technical education	Postsecondary administrators	Secondary administrators	Postsecondary faculty	Secondary teachers	Counselors	Other	Program Session Number	Breakout Session Title
●		●	●	●					B1	Pathways to Prosperity in Action
		●		●		●			B2	Literacy Design Collaborative: A New Way of Thinking About Preparing Students with Literacy Skills to Be College/Career Ready
●		●	●	●	●	●	●		B3	Career Cluster™ Leader Update: Law, Public Safety, Corrections & Security
		●		●			●		B4	Maryland's CTE Library Project: Schools and Libraries Partnering to Promote CTE
					●	●	●		B5	Career Ready Kansas: Reserve Competitive Funds Used to Initiate RPOS
				●		●	●		B6	Integration, More than Just a Word
		●		●		●			B7	Professional Development for Data-Driven Program Improvement
●		●	●	●	●	●	●		B8	Career Cluster™ Leader Update: Architecture & Construction
●	●	●		●	●	●	●		B9	Knowledge and Skills Revision and Validation - A Summary Report
●	●	●	●	●	●	●	●		C1	Legislative Update from NASDCTEc
●					●	●			C2	Closing the STEM Gap
●					●	●	●		C3	Career Cluster™ Leader Update: Health Science
		●		●		●			C4	Common C.O.R.E. Concentrating on Reality Education
●	●	●	●	●	●	●	●		C5	History of Career Clusters™ with Dr. Ron McCage
		●		●		●			C6	Using Technical Skills Assessment Data for Effective Program Improvement
●	●	●							C7	Building an All-Hands-on-Deck Effort to Support 21st Century Career and Technical Education
		●	●	●	●	●	●		C8	New Tools for Using the Career Cluster™ Knowledge and Skills Statements
				●	●	●			C9	Vendor Session: Enhancing Your Value with Educator & Student Certification • National Restaurant Association Education Foundation
●		●		●		●	●		D1	Career Academies: An Effective CTE Strategy
●		●		●					D2	Bringing Workforce Development to the Classroom

Crosswalk Matrix of Breakout Sessions

Representatives of workforce development	Representatives of economic development	State administrators of career technical education	Postsecondary administrators	Secondary administrators	Postsecondary faculty	Secondary teachers	Counselors	Other	Program Session Number	Breakout Session Title
●	●	●	●	●	●	●	●		D3	Legislative Update from NASDCTEc (repeat session)
				●		●	●		D4	College & Career Readiness Toolkit
				●		●	●		D5	Wisconsin's Career Pathways Web Site for Educators and Students
		●		●		●			D6	A New Look at Transportation, Distribution and Logistics in the Classroom
●	●	●	●	●	●	●	●		D7	Career Cluster™ Leader Update: Information Technology
		●	●	●					D8	Minnesota CTE Data -Driven Improvement Project
				●		●			D9	Careers in Action: Innovative Teaching Methods to Showcase Career Clusters™
●	●	●	●	●	●	●	●		D10	Vendor Session: Connected Learning to Empower New Methods of Teaching • Cisco
●		●	●	●	●	●	●		E1	CTE and Common Core State Standards Implementation
●	●	●	●	●	●	●	●		E2	Common Career Technical Core Questions and Answers
		●				●	●		E3	Jump Start for STEM Career Pathways in Grades 5-8
				●		●	●		E4	Involving Parents, Teachers, Counselors and Yes, Students, in Creating a Program of Study that is Interesting
				●		●	●		E5	Getting it Right the First Time – Our Story
		●		●		●			E6	Building a Bridge to Engineering Careers: Transportation, Distribution, and Logistics Problem-Based Learning
●		●	●	●	●	●	●		E7	Career Cluster™ Update: Agriculture, Food & Natural Resources
				●		●	●		E8	The How-To's of Implementing Blended Learning in Career Technical and Academic Classes
				●		●	●		E9	Urban Leaders, Hip Hop Culture, and CTE 2.0
●		●	●	●	●	●			E10	Vendor Session: CTE Certification Programs that Work • Certiport
		●	●	●	●	●	●		F1	National Research Center for Career and Technical Education: What the Research Reveals about Programs of Study
●			●		●				F2	CTE Program Alignment

Crosswalk Matrix of Breakout Sessions



Representatives of workforce development	Representatives of economic development	State administrators of career technical education	Postsecondary administrators	Secondary administrators	Postsecondary faculty	Secondary teachers	Counselors	Other	Program Session Number	Breakout Session Title
●	●	●	●	●	●	●	●		F3	Transforming Career and Technical Education: Implications of Local Level Reforms in the Administration's Perkins Blueprint
●			●	●					F4	Including CTE Accountability Measures in State Longitudinal Data Systems
		●	●	●					F5	Pathways to Results: Inquiry Based, Equity Guided Program of Study Development
					●	●			F6	Career Cluster™ Leader Update - Transportation, Distribution & Logistics
●	●	●	●	●					F7	Using and Improving Labor Market Information in Understanding Career Pathways and Programs of Study Development and Implementation: the Crosswalk Validation Project
		●	●		●		●	Health Science State and Local Administrators	F8	Integrating Knowledge and Skills Statements into Curriculum: A College's Story
		●	●	●					F9	Improving CT Teacher Preparation in Oklahoma
									F10	Reshaping Content. Engaging Students (Pre-registered attendees only)
●		●	●		●		●		G1	Next Generation Science Standards: An Update
●			●	●					G2	Preparing Texas Students for Higher Ed in the 21st Century: Community Colleges, Universities and Postsecondary Seamlessly Aligned Programs of Studies
●				●		●			G3	Rock Springs High School Career Academies – Cultural Change
●	●			●					G4	A Fairy Tale Dream Comes True – How a Collaborative Business and Education Partnership Established a New Career Cluster™ Programming Opportunity for Students
				●		●	●		G5	Using Social Media Technologies in the Classroom
		●		●		●			G6	Rethinking a Comprehensive Business and Marketing Education Program of Study
				●		●	●		G7	NBC Learn Workshop
					●	●			G8	Accessing DOT Resources – To Enhance your Transportation, Distribution, Logistics Program
●		●	●	●	●	●	●		G9	Common Career Technical Core Presentation Q and A
		●				●			G10	Connecting World Languages to Career Technical Education
		●	●	●					H1	Improving Career & Technical Education through Statewide Use of Technical Skill Assessments

Crosswalk Matrix of Breakout Sessions



Representatives of workforce development	Representatives of economic development	State administrators of career technical education	Postsecondary administrators	Secondary administrators	Postsecondary faculty	Secondary teachers	Counselors	Other	Program Session Number	Breakout Session Title
				●		●	●		H2	Urban Learners, Hip Hop Culture, and CTE 2.0 (repeat session)
		●		●		●			H3	Improving Efficacy of Practice for Teachers Involved with STEM Enhancement of Agricultural Education
		●	●	●			●		H4	Enhancing Statewide Programs of Study through Articulation
				●	●	●			H5	High School of Business for College-Bound CTE Students
		●	●	●					H6	Information Technology Leaders Align Standards and Programs
●		●	●	●	●	●	●		H7	Support for States Employability Standards in Career and Technical Education and Adult Education
		●	●	●					H8	Is a Web-Based Perkins Plan for Your State?
		●		●		●			H9	Strategies for Enhancing your Transportation, Distribution & Logistics Career Cluster™
		●		●		●			H10	Vendor Session: Incorporating Career Pathways with Career Planning • Kuder, Inc.
●	●	●	●	●	●	●	●		I1	Perspectives from the Hill: Legislative Implications for CTE
●		●	●	●	●	●			I2	Common Core State Standards and Career Technical Education: Bridging the Divide between College and Career Readiness
			●						I3	Green Standards Infusion Project MPR/ Presentation of Green Standards
●	●	●	●	●	●	●	●		J1	Transforming Career and Technical Education: Implications of STATE-Level Reforms in the Administration's Perkins Blueprint
●		●		●					J2	From Vision to Practice: Developing Rigorous Programs of Study Aligned with State Economic and Workforce Development Needs
		●		●		●			J3	Green/Sustainability Standards and the Career Clusters™
			●	●			●		J4	North Carolina Career & College Promise, Preparing Students for Careers and College
		●		●		●			J5	Breaking Down the STEM Silos through Problem-Based/Project-Based Curriculum
		●		●		●			J6	STEM Education: Award-Winning Model that Works for All Schools
			●		●			Adult Education Practitioners	J7	Designing Instruction for Career Pathways

Crosswalk Matrix of Breakout Sessions



Representatives of workforce development	Representatives of economic development	State administrators of career technical education	Postsecondary administrators	Secondary administrators	Postsecondary faculty	Secondary teachers	Counselors	Other	Program Session Number	Breakout Session Title
					●	●		Community Based Organization, Non-Profit, Non-Governmental Organization (NGO)	J8	Service Learning by the Numbers
●	●	●	●	●	●	●	●		J9	Vendor Session: iEducation Content for iPad
								State CTE Directors	K1	NASDCTEc Working Groups (closed session)
●							●		K2	Arkansas Works: Creating a Competitive Workforce through State and Community Collaboration
				●		●	●		K3	The New IQ? Understanding and Teaching Executive Function Skills
●		●					●		K4	Industry-Recognized Credentials: Your Passport to a Rewarding Career in Construction
		●		●		●			K5	Improving the Transition to Teaching for Career/Technical Teachers Entering through Alternative Routes
		●		●		●			K6	Addressing the Career Foundations Standards in Texas AAVTC and IT Career Clusters
		●		●		●			K7	CTE Curriculum Standards: Beyond Knowledge
		●	●	●					K8	A Call to Action: Alaska's CTE Plan – Establishing, Sustaining, and Implementing Inter-agency Partnerships
●		●	●	●	●	●	●		K9	Common Career Technical Core and Revalidation of the Knowledge and Skills Statements – A Summary Report



Registration/Help Desk

Palladian Room Foyer

7 a.m. – 5:15 p.m.

Sponsor Showcase

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Palladian Room

9 a.m. – 6:30 p.m.

Opening General Session

Regency Ballroom

1 p.m. – 2:15 p.m.

Transformation through Innovation: What Can We Learn from Global Trends

Welcome remarks by:

- Dr. Patrick Ainsworth, President of the National Association of State Directors of Career Technical Education Consortium (NASDCTEc) and CTE State Director for the California Department of Education, *Panel Moderator*
- Dr. Brenda Dann-Messier, Assistant Secretary, Office of Vocational and Adult Education (OVAE), U.S. Department of Education
- Tony Johnson, Career and Technical Education State Director, Postsecondary Education and Workforce Readiness Division, Office of the State Superintendent of Education (OSSE), Government of the District of Columbia
- General Session Sponsor Representative Carroll McGillin, Education Leader, Cisco, Annapolis, MD

This “Meet the Press” style panel discussion will inform the audience on global trends that are driving innovation in teaching and learning. We’ll explore questions such as:

This dynamic panel, representing diverse perspectives, will dive into topics that will have you challenging your assumptions and leave you with the knowledge that all educators should have to prepare today’s students for tomorrow’s workplace.

Note: In accordance with the policy of Apple, Inc., photographs, video recording or blog postings of this session are expressly prohibited, and no members of the media are allowed to attend.



Dr. Brenda Dann-Messier
Assistant Secretary, Office of Vocational and Adult Education (OVAE)
U.S. Department of Education



Dr. Timothy D. Hodges,
Research Director
Gallup Consulting



Dr. William C. Symonds
Director
Pathways to Prosperity Project
Harvard Graduate School of Education



Governor Bob Wise
Former Governor of West Virginia
President
Alliance for Excellent Education



Don Henderson
Senior Manager
Creative Expressions
Apple Education



Dr. Patrick Ainsworth
President of the National Association of State Directors of Career Technical Education Consortium (NASDCTEc) and CTE State Director for the California Department of Education

Our thanks to Cisco™,
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General Session





Session A: Concurrent Breakouts

2:30 p.m. – 3:15 p.m.

A1 AMBASSADOR BALLROOM

Meet and Greet with OVAE's Division of Academic and Technical Education (DATE) Managers

Many exciting initiatives are underway in support of the Education Department's and states' efforts to transform Career and Technical Education (CTE). Learn the latest on current national projects and resources, including the Rigorous Programs of Study Initiative, the states' employability Standards in CTE and Adult Education project, and the Financial Education for College Access and Success program, as well as plans for new discretionary grant competitions. Also, come prepared to share ideas about national activities that you feel would help your state and others better develop, administer, and evaluate CTE programs.

Sharon Miller • Director, Division of Academic and Technical Education, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

John Haigh • Branch Chief, Accountability and Performance Branch, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Edward Smith • Branch Chief, Program Administration Branch, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Robin Utz • Branch Chief, College and Career Transitions Branch, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

A2 CAPITOL

National and State Perspectives on Career Academies

This session is for those who want to know the latest news about career academies across the nation. Career academies are one of the best high school programs that make a difference and keep students engaged in school and learning. Career academy information, resources, and best practices will be shared.



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Sandy Mittelsteadt • National Career Academy Initiative Leader and author of The Career Academy Toolkit, Bakersfield, CA

Jan Struebing • Executive Director, National Career Academy Coalition, Philadelphia, PA

A3 GOVERNORS BOARD

CTE: Learning that works for America™ Marketing Campaign

The CTE community is building support for the CTE: Learning that works for America™ campaign, an initiative to raise awareness about the value of quality CTE programs across the nation. In 2011, the National Association of State Directors of Career Technical Education Consortium (NASDCTEc) launched the campaign, which has now been embraced by 43 states, other CTE family associations such as ACTE and SkillsUSA, and by CTE advocates at the administrative and local levels. This is an introduction to the campaign. Learn how CTE leaders are supporting the campaign and using it to support their efforts at their organization, district, school or college.

Erin Uy • Communications and Marketing Manager, National Association of State Directors of Career Technical Education Consortium, Silver Spring, MD

A4 CALVERT

Using the Roadmap to Entrepreneurship to Engage Students in Every Career Pathway

Participants will hear how the Roadmap for Teaching Entrepreneurship is being used to engage students in learning experiences and writing tasks that document what they are learning in various career pathways.

Presenters will share how the writing and reflection processes that are a part of the experiential Roadmap activities have caused students to be more engaged in their personal learning efforts, as well as their technical preparation designed to get them prepared for their career pathway. Students use their electronic entrepreneurship journal to capture what the students are learning as they advance through the process. This also allows students to enhance writing skills and to easily see the benefits of this lifelong learning tool.

Participants will receive suggestions as to how to encourage teachers and students to use the Roadmap in their schools and communities. Since 85 percent of businesses in the nation have five or fewer workers, it essential that teachers in every

career pathway expose students to entrepreneurial concepts as part of their Career and Technical Preparation if they are to be self-sufficient in the future.

Horace C. Robertson • Secretary-Treasurer, Consortium for Entrepreneurship Education, Cary, NC

Hank Kopcial • Development Director, Youth Entrepreneurship Alliance, Fairfax, VA

A5 CABINET

Developing a Health Information Technology Workforce

Healthcare will be transformed through the use of health information technology (HIT). We will need a new generation of healthcare workers dedicated to the implementation of HIT on a massive scale. What competencies and skills will a qualified HIT worker possess? Students in a secondary health science program of study will need to obtain some of these skills and competencies to be part of the healthcare workforce. The purpose of this session will be to increase awareness of those skills and competencies needed and the categories of workers available in the HIT workforce.

Carole Stacy • Executive Director, National Consortium for Health Science Education, Okemos, MI

A6 EMBASSY

Maryland's Implementation of New CTE Programs of Study

Maryland's extensive experience in school reform included major changes in Career and Technology Education (CTE). In this session, you will learn how the leadership of the Maryland State Department of Education and Division of Career and College Readiness created a new model of CTE that prepares students for both employment and further education through the establishment of Maryland CTE Programs of Study.

Katharine Oliver • Assistant State Superintendent, Division of Career and College Readiness, Maryland State Department of Education, Baltimore, MD

Lynne Gilli • CTE Instructional Program Manager, Division of Career and College Readiness, Maryland State Department of Education, Baltimore, MD



A7 CONGRESSIONAL A/B

The STEM Schools Project: How Schools Create a STEM Culture

This session will share findings from the STEM Schools Project (STEM stands for Science, Technology, Engineering & Math). This project, supported by the Kern Family Foundation, has documented strategies for creating a culture of STEM learning and STEM literacy in high schools and middle schools that implement programs like Project Lead The Way and then move toward a more widespread adoption of STEM teaching and learning across the entire school. During the session, participants will learn about key findings from nine in-depth case studies of schools in Illinois, Indiana, Iowa, Michigan, Minnesota, Ohio and Wisconsin.

Hans Meeder • Meeder Consulting Group, LLC, Columbia, MD

A8 HAMPTON

Beyond Resumes and Cover Letters

Over 80 percent of high school students' writing involves academic writing about literature. This approach no longer adequately prepares students for the workplace or college. Students also need training in how to communicate in a technical world. Help prepare your students through instruction about technical communications. Learn about technical writing, its rigor and relevance to academic and Career and Technical Education, and gain ideas about how to implement such writing in the classroom.

Carol Larkin • Teacher/Practitioner, Mentor Public Schools/Lake Shore Compact, Lyndhurst, OH


Carol is a highly regarded 'featured favorite' speaker, as noted by our previous Institute attendees!

A9 COUNCIL


Vendor Session: How to Partner with Oracle to Increase Student Job Readiness

Teachers and administrators can discover educational resources available from the Oracle Academy to help students become better prepared for the 21st Century marketplace, in areas including Java and database administration.

Lorilyn Owens • Regional Director-North America, Oracle Educational Initiatives, Redwood City, CA



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Session B: Concurrent Breakouts

3:30 p.m. – 4:15 p.m.

B1 AMBASSADOR BALLROOM

Pathways to Prosperity in Action

During this session hear insights and updates from the author of *Pathways to Prosperity*. This report proposes that a comprehensive pathways network, linking academics with work experiences, and a plan to increase the value and effectiveness of Career technical Education (CTE) across the United States will help prepare our next generation. Two CTE State Directors will also share highlights about how their states are implementing recommendations from the report.

Bill Symonds • Director, Pathways to Prosperity Project, Harvard University, Cambridge, MA

Daniel Clancy • CTE State Director, Wisconsin

Phil Berkenbile • CTE State Director, Oklahoma

B2 CAPITOL

Literacy Design Collaborative: A New Way of Thinking About Preparing Students with Literacy Skills to Be College/Career Ready

Learn how to use the Literacy Design Collaborative as a viable implementation strategy for school and districts to implement the Common Core State Standards and increase college and career readiness standards. This strategy addresses both the need for increased student achievement and the development of a more collaborative learning-centered culture.

Nancy Headrick • Director, State Services for School Improvement, Southern Region Education Board (SREB), Kansas City, MO

B3 COUNCIL

Career Cluster™ Leader Update: Law, Public Safety, Corrections, & Security

Career Cluster™ Leader Tom Navickas will share updates from the Law, Public Safety, Corrections & Security Career Cluster™.

Thomas E. Navickas • Executive Director, National Partnership for Careers in Law, Public Safety, Corrections and Security, National Partnership, Austin, TX

Joe Coffee • Director, National Partnership for Careers in Law, Public Safety, Corrections, & Security, Annandale, VA

B4 EMBASSY

Maryland's CTE Library Project: Schools and Libraries Partnering to Promote CTE

Local school systems in Maryland have partnered with their library systems to promote and educate the public, including parents and students, about Career and Technology Education (CTE). The goal of the project is to increase awareness of the rigor and relevance of CTE as well as increase enrollment in certain programs. It is a multi-faceted approach to educating the community about the value of CTE.

Nina Roa • Specialist, Career and Technology Education, Maryland State Department of Education, Baltimore, MD

Paula Isett • Library Development Specialist, Maryland State Department of Education, Baltimore, MD



B5 CALVERT

Career Ready Kansas: Reserve Competitive Funds Used to Initiate RPOS

The Kansas State Department of Education presents the opportunity for local school districts to develop creative and innovative rigorous programs of study (RPOS) by applying for the Perkins Reserve Funds. The overall project goal is to design and implement at least one Career Cluster™/Career Pathway using emerging technologies to be used as a state-wide model. Initial project abstracts incorporated data and self-assessment findings to aid in making informed decisions to determine their RPOS design strategies. Three rural Kansas school districts were awarded the Perkins Reserve Funds. Pathways designed and developed through the project include the BioMedical, Plant Systems, and Corrections, Security and Law Enforcement Services Career Pathways.

Karmey Olson • Education Program Consultant, Kansas State Department of Education, Topeka, KS

Kendra Linnebur • Agricultural Education Instructor, Fredonia High School, Fredonia, KS

Clayton Sallee • Agricultural Education Instructor, Field Kinley High School, Coffeyville, KS

B6 GOVERNORS BOARD

Integration, More than Just a Word

What is integration? It is a current buzz word with a lot of emphasis and little application! Can senior English, senior project, project management and resource allocation, portfolio evaluation, reading/writing/speaking/pathway/computer/technology skills be integrated successfully into one comprehensive course while meeting core and CTE requirements? We think so!

Michael Carey • CTE Instructor, USD 288 Central Heights High School, Richmond, KS

Deb Hampton • Instructor, USD 288 Central Heights High School, Richmond, KS

B7 CONGRESSIONAL A/B

Professional Development for Data-Driven Program Improvement

Maine state policy for Career Technical Education includes effective professional development opportunities for educators. Implementation of the well-researched Career and Technical Educators using Data-Driven Improvement (CTEDDI) model began with four schools in August 2011. Plans to offer additional CTEDDI training statewide will broaden a culture of data analysis for informed instructional decisions.

Sandra Pritz • Investigator, National Research Center for CTE, Louisville, KY

Debra Andrews • Education Consultant, Maine Department of Education-CTE, Augusta, ME

B8 CABINET

Career Cluster™ Leader Update: Architecture & Construction

Join this session for an update on the activities, resources, and information associated with a specific Career Cluster™. The session will be led by Career Cluster™ Leader Deanna Lewis and is designed to share best practices, ideas and create networking related to the Architecture & Construction Career Cluster™. There will be an opportunity for session attendees to share their experiences, ask questions, or share feedback.

Deanna Lewis • Director, Career and Certification Services, Home Builders Institute, Washington, DC



B9 HAMPTON

Knowledge and Skills Statements Revision and Validation – A Summary Report

This session will discuss the process and progress of updating the Knowledge and Skill Statements associated with the National Career Clusters™ Framework. The revision process utilized online technology to engage subject matter experts and provide input and resources for states that assisted with revision and validation.

Dean Folkers • Deputy Executive Director, National Association of State Directors of Career Technical Education/National Career Technical Education Foundation, Silver Spring, MD

Session C: Concurrent Breakouts
4:30 p.m. – 5:15 p.m.

C1 AMBASSADOR BALLROOM

Legislative Update from NASDCTEc

This session will provide an update on federal legislation impacting Career Technical Education (CTE), Career Clusters™, and workforce training programs. Topics will include Carl D. Perkins Career and Technical Education Act of 2006 reauthorization, CTE funding, Elementary Secondary Education Act reauthorization and Workforce Investment Act reauthorization.

Nancy Conneely • Public Policy Manager, National Association of State Directors of Career Technical Education Consortium, Silver Spring, MD



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C2 CAPITOL

Closing the STEM Gap

Learn how to effectively engage and prepare students for the Science, Technology, Engineering and Math (STEM) workforce. In this session, we will highlight a program that executes strategies using hands-on curriculum that strengthens their foundational math, science and communication skills. A program exists to provide access to positive role models to help students, particularly those of underrepresented populations, identify opportunities that exist within STEM. Through our efforts, we have effectively engaged our community and spread the STEM message through multiple career pathways. Our collaborative efforts have resulted in 50 percent participation from females in the program and have educated parents in our community on STEM opportunities.

Tania Kilpatrick • Career and Technical Education Coordinator, CESA 6, Oshkosh, WI

Rita O'Brien • Career and Technical Education Coordinator, Appleton Area School District, Appleton, WI

C3 CABINET

Career Cluster™ Leader Update: Health Science

Join this session for an update on the activities, resources, and information associated with a specific Career Cluster™. The session will be led by Career Cluster™ Leader Carole Stacy and is designed to share best practices, ideas and create networking related to the Health Science Career Cluster™. There will be an opportunity for session attendees to share their experiences, ask questions, or share feedback.

Carole Stacy • Executive Director, National Consortium for Health Science Education, Okemos, MI

C4 GOVERNORS BOARD

Common C.O.R.E. Concentrating on Reality Education

Concentrating on Reality Education (C.O.R.E.) is a collaborative effort with Missouri's Department of Elementary & Secondary Education, the Missouri Center for Career Education, and the University of Central Missouri to integrate common core state standards with Career Technical Education (CTE). This session will focus on sharing the process used to develop materials

and professional development activities for teachers. We'll introduce participants to the tools developed to date, the professional development structure, and online materials.

Larae Watkins • Co-Director, Missouri Center for Career Education, Warrensburg, MO

Michelle Conrad • Co-Director, Missouri Center for Career Education, Warrensburg, MO

C5 EMBASSY

History of Career Clusters™ with Dr. Ron McCage

Dr. Ronald McCage has lived and worked through two different periods during which the Career Clusters™ concept was developed and promoted. The first was during the mid to late 1970s when then U.S. Commissioner of Education, Dr. Sydney P. Marland, Jr. promoted the concept of career education, for which he developed a set of 15 Career Clusters™ to better explain what he meant. The second was from the mid-1990s forward, during which time he was directly involved in the development and implementation of Career Clusters™ and Pathways as well as the National Skills Standards Initiative. Dr. McCage will share what worked and what didn't, so that we don't make the same mistakes twice.

Dr. Ronald McCage • President, Career and Technical Education Consortium of States, Inc. (CTECS), Decatur, GA

C6 CALVERT

Using Technical Skills Assessment Data for Effective Program Improvement

State and local Carl D. Perkins Career and Technical Education of 2006 grant recipients are required to report on technical skill attainment and use a variety of technical skill assessments that align with state and national industry standards to measure outcomes. Learn how Missouri is using pre-and post-pathway level test results and other data to improve programs of study in its area career centers.

Dennis Harden • Coordinator, Career Education, Missouri Department of Elementary and Secondary Education, Jefferson City, MO

John Foster • President and CEO, NOCTI, Big Rapids, MI



C7 CONGRESSIONAL A/B

Building an All-Hands-on-Deck Effort to Support 21st Century Career and Technical Education

CTE Actively Partners with Employers to Design and Provide High-Quality, Dynamic Programs

President Obama believes that our career and technical education system plays a vital role in helping American students get critical skills and be ready for jobs that will increasingly require scientific and technological skills. Given that importance, now is a unique time to challenge everyone – the growing “maker” community, technologists, entrepreneurs, the business community, and others -- to work with the Career Technical Education system to give students the ability to learn more, and pursue a variety of interests, credentials and skills. The presentation will discuss some of the Administration has already taken in this area and opportunities to build on those successes and do ever more.

Kumar Garg • Program Administration Branch Chief, Division of Academic and Technical Education, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Marilyn Fountain • Senior Advisor, White House Office of Science and Technology Policy, Washington, DC

C8 HAMPTON

New Tools for Using the Career Clusters™ Knowledge and Skills Statements

Preview online tools and resources to access information specific to the Career Clusters™ Knowledge and Skills Statements and supporting resources. The system allows for online report creation in different formats. In addition, view samples of tools that can be customized for states and districts to provide support for professional development and instructional resources for teachers.

Sara Moshman • President, Metalogic, Inc., Lincoln, NE

Dean Folkers • Deputy Executive Director, National Association of State Directors of Career Technical Education/National Career Technical Education Foundation, Silver Spring, MD

C9 COUNCIL

Vendor Session: Enhancing Your Value with Educator & Student Certification

Learn all about the value of culinary certification. A knowledgeable industry expert will outline the descriptions and explanations of certification in the culinary world. Further, they will provide an overview of the certificate programs available to high school and postsecondary hospitality teachers and students.

Greg Beachey • CCC, CIC, Senior Academic Relations & Program Manager, National Restaurant Association Education Foundation, Chicago, IL

Light Hors D’oeuvres and Canapés Reception and Sponsor Showcase

Palladian Room

5:15 p.m. – 6:15 p.m.

State Director/Dinner Event Business Meeting

(Invitation Only)

Diplomat Ballroom

6:30 p.m. – 8:30 p.m.



Continental Breakfast

Palladian Room

7 a.m. – 8 a.m.

Sponsor Showcase

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Palladian Room

7 a.m. – 4:45 p.m.

Registration/Help Desk

Palladian Foyer

7 a.m. – 4:45 p.m.

General Session

Regency Ballroom

8 a.m. – 9 a.m.

Common Career Technical Core (CCTC) - The Future of Career Technical Education Standards

Charged by the principles set forth in *Reflect, Transform, Lead: A New Vision for Career and Technical Education*, NASDCTEc launched a visionary initiative to create a set of common state standards for Career Technical Education (CTE) -- the Common Career Technical Core (CCTC). Forty-two states, Washington, DC and Palau have supported the development stages of this effort.

The standards have been informed by state and industry standards and developed by a diverse group of teachers, business and industry experts, administrators and researchers.

The development of the CCTC was a multi-step process

that incorporated input from approximately 3,500 individuals representing K-12 education, business and industry and higher education and from across the nation. The process for developing the CCTC was informed by high-quality state and industry standard, expert guidance and general public input. Join us for this session and be among the first in the nation to see the groundbreaking standards that are sure to change the future of CTE.



Dr. Patrick Ainsworth, President of the National Association of State Directors of Career Technical Education Consortium (NASDCTEc and NCTEF) and CTE State Director for the California Department of Education, will lead the session.



Mrs. Kimberly Green, Executive Director of NASDCTEc will provide her insights on the impact of CCTC on Career Technical Education.



Dr. Dean Folkers, Deputy Executive Director of NASDCTEc/NCTEF will provide a glimpse into how the CCTC evolved and what it means for the future of CTE.

Join us for this session and be among the first in the nation to see the groundbreaking standards that are sure to change the future of CTE.

Session D: Concurrent Breakouts

9:15 a.m. – 10 a.m.

D1 AMBASSADOR BALLROOM

Career Academies: An Effective CTE Strategy

Join experts as they share their insights on career academies as an effective means for preparing students for postsecondary education and careers. They will also discuss the recent policy focus on career academies at the federal level and what that could mean for Career Technical Education.

JD Hoye • President, National Academy Foundation, New York, NY

Dr. David Stern • Graduate School of Education, University of California, Berkeley, CA

D2 EXECUTIVE

Bringing Workforce Development to the Classroom

This session will focus on South Dakota's efforts to 1) make labor market data and projections relevant for educators, students and parents and 2) virtually connect businesses in the state to middle and high school students. The goal is to make stakeholders more aware of the state's needs and opportunities so they can make informed decisions about programming, postsecondary education and career goals.

Tiffany Sanderson • Career Development Team Leader, SD Department of Education, Pierre, SD

Sarah Carter • Postsecondary Team Leader, SD Department of Education, Pierre, SD

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D3 CONGRESSIONAL A/B

Legislative Update from NASDCTEc

This session will provide an update on federal legislation impacting Career Technical Education (CTE), Career Clusters™, and workforce training programs. Topics will include Carl D. Perkins Career and Technical Education Act of 2006 reauthorization, CTE funding, Elementary Secondary Education Act reauthorization and Workforce Investment Act reauthorization.

Nancy Conneely • Public Policy Manager, National Association of State Directors of Career Technical Education Consortium, Silver Spring, MD

D4 HAMPTON

College & Career Readiness Toolkit

The skills needed in the United States go beyond reading, mathematics, and science. Educators are taking a holistic view of 21st-century teaching with the new culture relative to college-and career readiness and the Common Core State Standards Initiative. This presentation will concentrate on the process of forming teams and assessing their readiness for incorporating the common core standards and preparing students for college and careers. Each participant will receive a copy of National Career Pathways Network's new College and Career Readiness Toolkit.

Debbie Mills • Vice President, Partnerships, Center for Occupational Research and Development (CORD), Indianola, IL

D5 GOVERNORS BOARD

Wisconsin's Career Pathways Web Site for Educators and Students

Learn about Wisconsin's Career Pathways Web site and how it combines Career Clusters™ and Pathways, Programs of Study, and Plans of Study. Discover how high school educators can build secondary to post secondary programs of study online. We will also walk you through our latest developments that focus on students and individual plans of study. We will demonstrate how students in Wisconsin can create their own individualized Plan of Study using our interactive Web-based tool.

Marge Rubin • Director, Articulated Programs and WI Career Pathways Web Site Project, Fox Valley Technical College, Neenah, WI

Jennifer Wagner • K-12 Relations Associate, Moraine Park Technical College, Fond du Lac, WI

Jay Stulo • Senior Applications Developer, Fox Valley Technical College, Appleton, WI

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D6 CALVERT

A New Look at Transportation, Distribution and Logistics in the Classroom

Learn how to access and use free high-quality, project-based lessons that are rich in academic content for students in grades 6-12 who may discover interest in Transportation, Distribution and Logistics (TDL) careers. This presentation will highlight a variety of lessons developed by teachers for teachers available at transportationcareers.org. Learn how these lessons are currently being used in an Introduction to Transportation, Distribution and Logistics course. Come see how these free lesson plans could work for you and your school!

Sandy Dunkel • Project Lead, Transportation Careers Project, Springfield, IL

Mike Rogers • Career Academy Teacher, Millard Horizon High School, Fremont, NE

Frances Beauman • Transportation Careers Project, Springfield, IL

Mike Rogers • Career Academy Teacher, Millard Horizon High School, Fremont, NE

Ben Brachle • Career Academy Teacher, Distribution and Logistics, Millard Horizon High School, Fremont, NE

D7 CABINET

Career Cluster™ Leader Update: Information Technology

Join this session for an update on the activities, resources, and information associated with a specific Career Cluster™. The session will be led by Career Cluster™ Leader Gretchen Koch and is designed to share best practices, ideas and create networking related to the Information Technology Career Cluster™. There will be an opportunity for session attendees to share their experiences, ask questions, or share feedback.

Gretchen Koch • Director, Skills Development Programs, CompTIA, Oakbrook Terrace, IL

D8 EMBASSY

Minnesota CTE Data Driven Improvement Project

Minnesota is employing a professional development model that focuses on the use and interpretation of technical skill assessment data among secondary and postsecondary educators. The model highlights how developing faculty confidence and skills in using data to guide program improvement can contribute to improved student outcomes. We believe that providing professional development for data-driven decision-making holds great promise for influencing positive systemic change in Minnesota's secondary and postsecondary Career Technology Education programs.

Debra Hsu • CTE Director of Professional Development, Minnesota State Colleges and Universities, St. Paul, MN

Denise Roseland • CTE Director of Planning and Evaluation, Minnesota State Colleges and Universities, St. Paul, MN

Mike Mitchell • Program Specialist for Health and Human Services and Work-Based Learning, Minnesota Department of Education, Roseville, MN

D9 CAPITOL

Careers in Action (CIA): Innovative Teaching Methods to Showcase Career Clusters™

This presentation will be focus on innovative ways that our New Mexico school has utilized in order to introduce students to Career Clusters™ at the middle school level. Our school's collaborative efforts with other groups at the high school, local community college levels, and business community have put our projects at the frontline of innovative teaching methods.

Annette Joyner • FACS Teacher, Mountain View Middle School, Alamogordo, NM



D10 COUNCIL

Vendor Session: Connected Learning to Empower New Methods of Teaching

Learn about connected learning technology solutions that help address the challenges you face today. You'll also hear how Cisco's comprehensive education program – Networking Academy – is using technology and partnerships to prepare our future workforce with in-demand ICT skills.

Carroll McGillin • Education Leader, Cisco, Annapolis, MD

E3 GOVERNORS BOARD

Jump Start for STEM Career Pathways in Grades 5-8

STARBASE is a national Science, Technology, Engineering, and Mathematics (STEM) educational enrichment program for at-risk students in grades 5-8. Collaborating with STARBASE in your state could be a fresh jump start for attracting students to science, math and Career Technical Education (CTE).

Pamela Kirk • Director, STARBASE Oklahoma, Tulsa, OK

Julia Webster • Deputy Director, STARBASE Oklahoma, Tulsa, OK

E4 CALVERT

Involving Parents, Teachers, Counselors and Yes, Students, in Creating a Program of Study that is Interesting

One of Career Technical Education's (CTE) greatest challenges is building awareness of CTE among counselors who advise students to consider CTE careers and courses. However, in this time when counselors are assigned to 300, 400 and even 500 students to guide, it is necessary to find a way to help students help themselves, have the ability to bring parents into the career planning process early, and to involve teachers in the decision-making process.

This presentation looks at how Montana has used Web-based career planning to give parents and teachers the opportunity to work with students in finding Career Clusters™ that interest them and how to plan an effective six-year plan.

Lyle Courtnage • Project Director, Rigorous Programs of Study, MT University System, MT State University, Billings, MT

Craig Crawford • Principal, Helena Public Schools, Helena, MT

Janet Schneider • Counselor, Billings Public Schools, Billings MT

Session E: Concurrent Breakouts
10:15 a.m. – 11 a.m.

E1 AMBASSADOR BALLROOM

CTE and Common Core State Standards Implementation

During this session you will hear about the work being done by the Common Core State Standards Initiative and the State Collaboratives on Assessment and Student Standards, and how Career Technical Education (CTE) can be a part of Common Core implementation. You will also hear from a fellow CTE State Director about the work being done in his state around CTE and Common Core implementation.

Margaret Reed Millar • Senior Program Associate, Standards, Assessment, and Accountability, council of Chief State School Officers, Washington, DC

E2 HAMPTON

Common Career Technical Core Q & A

An opportunity to further explore the Common Career Technical Core (CCTC) and discuss options, impacts, other questions. Presenter will address questions associated with the CCTC development and provide an opportunity to identify resources and strategies for implementation and application within the states.

Dean Folkers • Deputy Director, National Association of State Directors of Career Technical Education Consortium/National Career Technical Education Foundation, Silver Spring, MD



E5 CAPITOL

Getting it Right the First Time – Our Story

Learn about the successful startup strategies used at Phelps Architecture, Construction and Engineering High School, which is an engineering-focused STEM career pathway academy. Through the addition of rigorous content, relevant instruction, authentic assessment, and real-world core curriculum applications our program has achieved 37 percent growth, 21 percent on campus student participation with 60 percent female enrollment in just 2 years.

Gail Parsons • Director, Project Lead the Way, Tallahassee, FL

Olatundun Teyibo • CTE Academy Coordinator, Phelps Architecture, Construction, and Engineering High School, Washington, DC

E6 EMBASSY

Building a Bridge to Engineering Careers: Transportation, Distribution, and Logistics Problem-Based Learning

Learn about the new 135-hour Orientation to Transportation, Distribution and Logistics Course, which will be available this fall. During this session you will receive a course outline that you can use to help students gain knowledge and skills in the safe application, design, production and assessment of transportation products, services and systems.

This course includes an introduction to the history, laws and regulations and common practices used in transportation, distribution and logistics. In addition, learn how to access free high-quality, project-based lessons developed by teachers for teachers rich in academic content for students in grades 6-12. These lessons give students insight to transportation, distribution and logistics careers.

Hear from teachers about how they used these lessons to create an interest in transportation careers and deepened the understanding of core academic standards. By attending this session you will have instant access to over 500 transportation, distribution and logistics lesson plans that promote careers in transportation. In addition to Career Technical Education courses, these lessons can be used by mathematics, science, social studies, language arts and special education teachers to teach the common core and national academic standards.

Sandy Dunkel • Transportation Careers Project, Mike Rogers, Career Academy Teacher, Millard Horizon High School, Fremont, NE

Frances Beauman • Transportation Careers Project, Springfield, IL

Mike Rogers • Career Academy Teacher, Millard Horizon High School, Fremont, NE

Ben Brachle • Career Academy Teacher, Distribution and Logistics, Millard Horizon High School, Fremont, NE

E7 CABINET

Career Cluster™ Update: Agriculture, Food & Natural Resources

Join this session for an update on the activities, resources, and information associated with a specific Career Cluster™. The session will be led by Career Cluster™ Leader Karen Hutchison and is designed to share best practices, ideas and create networking related to the Agriculture, Food & Natural Resources Career Cluster™. There will be an opportunity for session attendees to share their experiences, ask questions, or share feedback.

Karen Hutchison • Education Associate, Delaware Department of Education, Dover, DE

E8 EXECUTIVE

The How-To's of Implementing Blended Learning in Career Technical and Academic Classes

This session will tell the story of how a Career Technical high school in rural Ohio created a blended learning program to prevent the loss of instruction time due to calamity days, varying feeder school calendars, and student absences.

Bernie Pachmayer • Superintendent, Knox County Career Center, Mount Vernon, OH

Jeff Lavin • Curriculum & Instruction Administrator, Knox County Career Center, Mount Vernon, OH

Jane Marlow • Adult Education Director, Knox County Career Center, Mount Vernon, OH



E9 CONGRESSIONAL A/B

Urban Leaders, Hip Hop Culture, and CTE 2.0

Educators and providers are charged to meet four primary goals in Career and Technical Education (CTE) programs and classrooms: (1) create an inclusive environment for all students by drawing upon students' experiences, knowledge, and beliefs (2) recognize and understand student differences while maintaining high expectations and student achievement levels (3) create classroom settings that supports diversity by providing learning opportunities for individuals from diverse backgrounds, experiences, abilities, values, and perspectives to thrive (4) develop and initiate, implement, and evaluate curriculum and resources which enhance learning to meet the needs of all CTE learners.

This interactive session explores the challenges urban young adults face in the 21st century. Many seek to discipline them, yet few seek to understand the overt and nuances associated with them.

The old adage *it takes a village to raise a child* will be explored as it relates to utilizing various community and business resources to garner internship and other training and development opportunities for urban learners. A plethora of strategies/principles will be explored that will enable practitioners to more effectively empower youth and advocate for policy initiatives to better serve at-promise youth.

The specific objectives and learning outcomes of this presentation include to (1) empower practitioners to work effectively with urban young adults in CTE classrooms (2) educate social service professionals with the social and psychological issues that affect urban teens (3) provide models to bolster student achievement for young adults (4) inform practitioners of the complexities surrounding hip-hop culture and its impact on student perceptions and persistence. This presentation is for teachers, administrators, and social service providers.

Tony D. Johnson • CTE State Director, Washington, DC
Craig English • DC Public Schools Central Office, Washington, DC

Nekosi Nelson • DC Public Schools Central Office, Washington, DC

Bob Hassinger • Faculty, University of the District of Columbia Community College, Washington, DC

Kevin Allen • Faculty, University of the District of Columbia Community College, Washington, DC

Carletta Hurt • Instructor, Howard University Middle School of Mathematics and Science, Washington, DC

Ryan Washington • District of Columbia Youth Mayor, Washington, DC (attends Gonzaga High School)

E10 COUNCIL

Vendor Session: CTE Certification Programs That Work

Learn how schools, districts and states have implemented certification programs that not only validate essential skill sets but prepares your students for success in an increasingly complex digital world. Find out how resume enhancing and industry-recognized credentials from Microsoft, HP, Adobe, Intuit, CompTIA and Autodesk lead to workforce readiness, increased graduation rates and college matriculation. We will highlight best practices and certification pathways that make a tremendous difference in the educational experience for today's students. Hear what state supervisors and CTE directors are saying about Certiport and the impact of certification in K12 and Higher Education.

Senator Aaron Osmond • Utah State Senator

Session F: Concurrent Breakouts

11:15 a.m. – Noon

F1 AMBASSADOR BALLROOM

National Research Center for Career and Technical Education: What the Research Reveals about Programs of Study

As states continue to develop and implement programs of study, many challenges have emerged. The National Research Center for Career and Technical Education has several research studies designed to examine how states and local school districts are addressing these challenges. This presentation will provide the latest findings from numerous studies currently being conducted in states across our nation such as:

- Do Career and Technical Education Programs of Study Improve Student Achievement? Preliminary Analyses from a Rigorous Longitudinal Study
- Mature Programs of Study: A structure for the Transition to College and Career?
- Implementing Statewide Mandated Career Pathways/ Programs of Study School Reform Model: Select Findings from a Multisite Case Study.

Jim Stone, Director • National Research Center for Career and Technical Education, University of Louisville, Louisville, KY

Ric Hernandez • Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC



F2 CONGRESSIONAL A/B

CTE Program Alignment

One of the initiatives underway by the Postsecondary Technical Education Authority (TEA) to enhance technical education in Kansas is the alignment of specific technical programs. This project is driven by the needs of business and industry in the state. Groups of business leaders are convened by the Kansas Department of Commerce and the Kansas Board of Regents, with participation by program advisory committee members from community and technical colleges, to essentially map a preferred outcome for an occupational category.

The purposeful outcomes of the alignment project include: 1) the identification of value-added exit points (points of departure from a complete associate's degree that would enable employment) in occupations, 2) agreement on a nationally-

recognized, industry-based, third-party credential that students with limited prior work experience in the occupation can achieve, 3) agreement on a few common courses by all colleges offering the program to facilitate transfer between programs and potential articulation with our high schools and 4) guidance regarding program length in credit hours to ensure consistency across the state.

Mari Tucker • Director of Federal Initiatives for Career Technical Education, Kansas Board of Regents, Topeka, KS

Blake Flanders • Vice President for Workforce Development, Kansas Board of Regents, Topeka, KS

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F3 HAMPTON

Transforming Career And Technical Education: Implications of Local Level Reforms in the Administration's Perkins Blueprint

The Obama Administration has called for many bold reforms to strengthen Career and Technical Education (CTE) across the country in its blueprint for Carl D. Perkins Career and Technical Education Act of 2006 reauthorization. The Office of Vocational and Adult Education will discuss those reform models that will impact the way local recipients develop, administer, implement and evaluate their CTE programs, including supporting structures and incentives for continuous program improvements, operationalizing consortia, and ensuring access for all students to participate. This session will describe the Administration's proposals in each of these areas and then focus on the assets that local recipients already have and the challenges they will face in undertaking these reforms.

Sharon Miller • Director, Division of Academic and Technical Education (DATE), Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Robin Utz • College and Career Transitions Branch, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Alicia Bolton • Broad Resident and Policy Adviser, Office of the Assistant Secretary for Vocational and Adult Education, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

F4 CALVERT

Including CTE Accountability Measures in State Longitudinal Data Systems

This session will provide an overview of the process for incorporating Perkins Core Indicators of Performance and other Career Technical Education (CTE) data elements into a state's Longitudinal Data System (LDS). Maryland CTE is a critical component in the LDS and for reporting on student transition to college and careers. Participants will learn about key data elements and process steps for aligning K-12, higher education, and workforce data systems.

Pat Mikos • Program Manager, MD State Department of Education, Baltimore, MD

Matt Keorner • CTE Specialist, MD State Department of Education, Baltimore, MD

F5 CAPITOL

Pathways to Results: Inquiry Based, Equity Guided Program of Study Development

The Carl D. Perkins Career and Technical Education Act of 2006 provides a platform for continuous improvement in Career Technical Education (CTE). Illinois developed Pathways to Results (PTR) to guide partnerships to improve processes and outcomes associated with programs of study. PTR is an inquiry-based, equity-guided process involving action research and using data to close outcome gaps among student groups. Supporting professional development will also be discussed.

Aimee Julian • Associate Director of Professional Development, Illinois State University, ICSPS, Normal, IL

Kristy Morelock • Associate Director of Programs of Study, Illinois Community College Board, Springfield, IL

Catherine Kirby • Assistant Director OCCRL, University of Illinois, Champaign, IL

F6 CABINET

Career Cluster™ Leader Update - Transportation, Distribution & Logistics

Join this session for an update on the activities, resources, and information associated with a specific Career Cluster™. The session will be led by Career Cluster™ Leader Fran Beauman and is designed to share best practices, ideas and create networking related to the Transportation, Distribution & Logistics Career Cluster™. There will be an opportunity for session attendees to share their experiences, ask questions, or share feedback.

Frances Beauman • Career Cluster™ Leader Transportation Careers Project, Springfield, IL

F7 EXECUTIVE

Using and Improving Labor Market Information in Understanding Career Pathways and Programs of Study Development and Implementation: The Crosswalk Validation Project

This presentation will discuss a project called the Crosswalk Validation Project. Come hear why it is necessary to be able use a validated crosswalk if you are trying to develop and implement



programs of study (POS), career pathways, or, more generally, career preparation areas. In addition, see why a validated crosswalk is necessary for state eligible agencies (SEAs) and local eligible agencies (LEAs) to build strategies for career guidance. Last but not least, know the reasons behind why it is necessary for SEAs and LEAs to use a validated crosswalk for reporting Perkins accountability requirements.

More generally, engage in a conversation about why a validated crosswalk enables a more efficient use of labor market information (LMI) to develop high-demand, high-skill, and high-wage career preparation areas.

The Crosswalk Validation Project is a two-year long project led jointly by the National Association of State Directors of Career Technical Education Consortium and the National Research Center for Career Technical Education. The Crosswalk Validation Project focuses on updating and refining the original national crosswalk (known as Table 7 on www.careertech.org) used by SEAs and LEAs for career guidance as well as Perkins accountability.

Pradeep Kotamraju • Deputy Director, National Research Center for Career and Technical Education, Louisville, KY

Bruce Steuernagel • Consultant, National Association of State Directors of Career Technical Education Consortium and National Research Center for Career and Technical Education, Burnsville, MN

F8 EMBASSY

Integrating Knowledge and Skill Statements into Curriculum: A College's Story

Colleges are looking to create efficient alignment between program and industry standards. Learn how Amarillo College adopted a process and tool to implement Knowledge and Skill Statements into their curriculum. The result is a common core curriculum for every program of study within Career Clusters™. We will also discuss industry validation.

Becky Burton • Director of Career Clusters™, Amarillo College, Amarillo, TX

Robin Nickel • Associate Director, WIDS, Waunakee, WI; Becky Burton, Director of Career Clusters™, Amarillo College, Amarillo, TX

Lana Jackson • Quality Enhancement Plan (QEP) Director, Amarillo College, Amarillo, TX

F9 GOVERNORS BOARD

Improving CareerTech Teacher Preparation in Oklahoma

Dwindling numbers of teachers completing university teacher education programs, along with increasing numbers of teachers entering CareerTech classrooms through alternative pathways have created a scarcity of high-quality effective teachers. These combined forces create an urgent need for the Oklahoma Department of Career and Technology Education to address the issue of preparation for alternative certified teachers.

Stephanie Hyder • Education Policy and Legislative Services Coordinator, Oklahoma Department of Career and Technology Education, Stillwater, OK

Phil Berkenbile • State Director, Oklahoma Department of Career and Technology Education, Stillwater, OK



The National Research Center for Career and Technical Education is the primary agent for generating scientifically based knowledge, disseminating that knowledge, and providing professional development and technical assistance to states to improve career and technical education in the United States. The NRCCTE works to improve the engagement, achievement, and transition of high school and postsecondary CTE students through technical assistance to states, professional development for CTE practitioners, and dissemination of knowledge derived from Center work and other sources of quality research.

The NRCCTE's research, dissemination, professional development, and technical assistance projects address:

- Programs of Study linking high school to postsecondary CTE
- Integrating rigorous academics into CTE (with a special focus on Math, Science, and Literacy)
- Increasing graduation rates
- Professional development for career-technical educators
- Dual and concurrent enrollment
- Assessment and accountability
- Making high schools matter
- The role of CTE in preparing the green workforce
- The role of CTE in preparing students for high-demand, high-wage, middle- and high-skill occupations

For more on the center and its projects, visit www.nrccte.org or e-mail us at nrccte@louisville.edu. Connect with us on Facebook and Twitter @NRCCTE.



<http://q.msky.us/r/H95H>

The NRCCTE is funded by the Office of Vocational and Adult Education at the U.S. Department of Education.





F10 COUNCIL

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Paul Facteau • Innovation Architect, Apple Inc., Western Massachusetts



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Celebratory Luncheon

Regency Ballroom

Noon – 1:15 p.m.

Celebrating 10 Years of the National Career Clusters™ Institute

For this celebratory lunch, we will host a lively moderated panel discussion that shares reflections of the past 10 years, progress made, and a look ahead at the opportunities before us. Come-join the celebration!

Marie Barry • State Director, Trenton, New Jersey

Ann Benson • Director, TCTW, Stillwater, OK

Scott Hess • Chief, College and Career Transitions Branch, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Pam Kirk • Director, STARBASE Oklahoma, Tulsa, OK

Ron McCage • President, Career and Technical Education Consortium of States (CTECS), Decatur, GA

Moderator: Kimberly Green • Executive Director, NASDCTEc, Silver Spring, MD

Session G: Concurrent Breakouts

1:30 p.m. – 2:15 p.m.

G1 AMBASSADOR BALLROOM

Next Generation Science Standards: An Update

Hear about the development of the Next Generation Science Standards (NGSS) from an expert from one of the lead partners, Achieve, Inc. You will learn about the intersection of NGSS and Career Technical Education, and their complementary goals of preparing students with the content knowledge, critical thinking and communication skills they need to succeed in postsecondary and the workplace.

Dr. Stephen Pruitt • Vice President, Content, Research and Development, Achieve, Inc., Washington, DC



G2 EXECUTIVE

Preparing Texas Students for Higher Ed in the 21st Century: Community Colleges, Universities and Postsecondary Seamlessly Aligned Programs of Studies

Higher Education in Texas has worked with key stakeholders from secondary, postsecondary, government, and industry to develop common programs of study. Additionally, some colleges have worked collaboratively to adopt common curriculum cores across the state. The presentation discusses the history, lessons learned, and planning for the future. Information posted at www.tx.careerclusters.org.

Garry Tomerlin • Director of Academic Analysis, Tarrant County College, Fort Worth, TX

Shannon Weaver • Vice President, Business Services, North Lake College, Irving, TX

G3 EMBASSY

Rock Springs High School Career Academies – Cultural Change

This presentation will discuss the Wyoming CTE Demonstration grant at Rock Springs High School and how the career academies have changed the culture at the school for staff, teachers and students alike.

Guy Jackson • Career Technical Education Supervisor, Wyoming Department of Education, Cheyenne, WY

Teri Wigert • Wyoming State Director of Career Technical Education, Wyoming Department of Education, Cheyenne, WY

Bruce Metz • Healthcare Occupations Career Academy Director, Rock Springs High School, Rock Springs, WY

Annie Fletcher • Energy Career Academy Director, Rock Springs High School, Rock Springs, WY

G4 GOVERNORS BOARD

A Fairy Tale Dream Comes True – How a Collaborative Business and Education Partnership Established a New Career Cluster™ Programming Opportunity for Students

Has the existing economic conditions caused your school to close some CTE programs due to a lack or reduction of funding? Do you want to establish new CTE programming, or bring back disbanded CTE programs, to expand your students' Career Cluster™ learning opportunities? Learn how our school system developed a unique collaborative solution with our business/industry partners to offer students the opportunity to engage in a high-demand, high-wage, high-skilled Career Clusters™ program.

Cheryl Cox • CTAE Supervisor, Cobb County Public Schools, Marietta, GA

Jackie Brown • CTAE YAP Coordinator, Cobb County Public Schools, Marietta, GA

G5 CONGRESSIONAL A/B

Using Social Media Technologies in the Classroom

The University of North Texas shares a research-based approach to using social media technologies in the Career Technical Education (CTE) classroom that provides CTE teachers with teaching strategies and student learning innovations that can be incorporated into curriculum across the Career Clusters™. Attendees will leave with access to free curriculum and professional development resources made possible through the UNT/TEA Career Education Excellence Grants.

Kathy Belcher • Curriculum Project Coordinator (STEM, MFG), University of North Texas, Denton, TX



G6 CALVERT

Rethinking a Comprehensive Business and Marketing Education Program of Study

STEM and more rigorous academic graduation standards have taken their toll on Career Technical Education enrollment, including business and marketing programs. To address changes in state and local expectations, we are rethinking how business and marketing programs in West Virginia and North Carolina are structured and are refocusing on core business and marketing skills as defined by industry. Both states have begun a journey to fully revamp the nature of our business and marketing curricula to better align with the Career Clusters™ model. Learn how we've aligned courses, built assessments, and provided support for teachers. And, we'll share plans for responding to teacher concerns with the new model.

Gene Coulson • Executive Director, Career and Technical Innovation, WV Department of Education, Charleston, WV

Trey Michael • Curriculum Specialist, Career and Technical Education, NC Department of Public Instruction, Raleigh, NC

G7 COUNCIL

Vendor Session: NBC Learn Presentation

NBC Learn, the educational arm of NBC News, has recently put together online digital resources that support Career Technical Education Pathway Career Clusters™, Personal Finance, and more. This workshop will cover how that media can be integrated into the classroom to build exciting lessons for students.

Stephen Westbury • K-12 Regional Account Director, NBC Learn, Washington, DC

G8 CAPITOL

Accessing U.S. Department of Transportation Resources – To Enhance your Transportation, Distribution, Logistics Program

The United States Department of Transportation is aware of the need to build a qualified workforce into the future that can be available to build and maintain our nation's transportation system.

This session will provide specific information about the scope, organization and careers in transportation, distribution and logistics, and outline specific resources available to help Career Technical Education programs complement their existing training programs.

Jim Brough • National Aviation Education Manager, Federal Aviation Administration, U.S. Department of Transportation, Washington, DC

Clark Martin • Team Leader, Affiliate Programs, Federal Highway Administration, U.S. Department of Transportation, Washington, DC

G9 HAMPTON

Common Career Technical Core Presentation Q & A

An opportunity to explore further the Common Career Technical Core (CCTC) and discuss options, impacts, other questions. Presenter will address questions associated with the CCTC.

Dean Folkers • Deputy Director, National Association of State Directors of Career Technical Education Consortium/National Career Technical Education Foundation, Silver Springs, MD

G10 CABINET

Connecting World Languages to Career Technical Education

This session will examine the definition of global competence as defined by the Council of Chief State School Officers and Asia Society and the overlap with the definition of career readiness. Presenters will discuss policy implications and the role of states in ensuring students graduate both globally competent and career ready. The presenters will also discuss systemic aspects of engaging with global knowledge within the Career Technical Education framework.

Heather Singmaster • Senior Program Associate, Asia Society, Portland, OR

Jennifer Manise • Executive Director, Longview Foundation, Falls Church, VA

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The Career Clusters™ Pocket Guide provides a perfect introduction to Career Clusters™ and reference for students, teachers and parents. The Pocket Guide lists each Career Cluster™ with the pathways, photos, and sample careers. This full-color brochure is 14" X 8.5".

These simple posters would make a brilliant foundation for a bulletin board highlighting careers. This set includes all 16, 24" X 18", Career Cluster™ posters.





Session H: Concurrent Breakouts

2:30 p.m. – 3:15 p.m.

H1 AMBASSADOR BALLROOM

Improving Career and Technical Education Through Statewide Use of Technical Skill Assessments

Minnesota State Colleges and Universities System and the Minnesota Department of Education launched a collaborative project focused on assessment of technical skills in Minnesota's Career and Technical Education (CTE) programs offered in colleges and high schools. The purpose of the project was to develop an assessment system that provided teachers and faculty with accurate and useful information about common core competencies by career pathway and student technical skill achievement. In addition, the assessment system provides information that informs program improvement and communicates to employers and policymakers the value of career and technical skill programs of study in preparing students for college and careers. This session will provide an overview of the process used to identify assessments by career pathway, gather and report results, and plan and deliver professional development to teachers and faculty to improve their skills to engage in data-driven instructional improvement.

Denise Roseland • Senior Director for Career Technical Education Planning & Evaluation, MN State Colleges & Universities, St. Paul, MN

Ginny Karbowski • Program Director for Career Technical Education Pathways, MN State Colleges & Universities, St. Paul, MN

H2 CONGRESSIONAL A/B

Urban Learners, Hip Hop Culture, and CTE 2.0

Educators and providers are charged to meet four primary goals in Career and Technical Education (CTE) programs and classrooms: (1) create an inclusive environment for all students by drawing upon students' experiences, knowledge, and beliefs (2) recognize and understand student differences while maintaining high expectations and student achievement levels (3) create classroom settings that supports diversity by providing learning opportunities for individuals from diverse backgrounds, experiences, abilities, values, and perspectives to thrive (4) develop and initiate, implement, and evaluate curriculum and resources which enhance learning to meet the needs of all CTE learners.

This interactive session explores the challenges urban young adults face in the 21st century. Many seek to discipline them, yet few seek to understand the overt and nuances associated with them.

The old adage *it takes a village to raise a child* will be explored as it relates to utilizing various community and business resources to garner internship and other training and development opportunities for urban learners. A plethora of strategies/principles will be explored that will enable practitioners to more effectively empower youth and advocate for policy initiatives to better serve at-risk youth.

The specific objectives and learning outcomes of this presentation include to (1) empower practitioners to work effectively with urban young adults in CTE classrooms (2) educate social service professionals with the social and psychological issues that affect urban teens (3) provide models to bolster student achievement for young adults (4) inform practitioners of the complexities surrounding hip-hop culture and its impact on student perceptions and persistence. This presentation is for teachers, administrators, and social service providers.

Tony D. Johnson • CTE State Director, Washington, DC

Craig English • DC Public Schools Central Office, Washington, DC

Nekosi Nelson • DC Public Schools Central Office, Washington, DC

Bob Hassinger • Faculty, University of the District of Columbia Community College, Washington, DC

Kevin Allen • Faculty, University of the District of Columbia Community College, Washington, DC

Carletta Hurt • Instructor, Howard University Middle School of Mathematics and Science, Washington, DC

Ryan Washington • District of Columbia Youth Mayor, Washington, DC (attends Gonzaga High School)

H3 GOVERNORS BOARD

Improving Efficacy of Practice for Teachers Involved with STEM Enhancement of Agricultural Education

Success of Science Technology Engineering and Math enhancement in a Career Technical Education classroom depends on teachers who are prepared to teach a interdisciplinary subject matter. Representatives of CASE will share an innovative approach to prepare secondary agriculture teachers for the rigors of teaching common core and science standards launched by The National Council for Agricultural Education.

Jay Jackman • Executive Director, National Association of Agricultural Educators, Lexington, KY



H4 CALVERT

Enhancing Statewide Programs of Study Through Articulation

The presentation will share how Georgia developed statewide exemption exams for articulated credit. This process enabled programs of study designed to the National Career Clusters™ Framework. The assessments are designed to drive program improvement and realignment of curriculum to improve the successful transition of students from high school to college.

Kathryn Hornsby • Assistant Commissioner of Technical Education, Technical College System of Georgia, Atlanta, GA

Ron McCage • President, Career and Technical Education Consortium of States (CTECS), Decatur, GA

H5 EMBASSY

High School of Business for College-Bound CTE Students

High School of Business is a program-of-study model utilizing a project-based pedagogy and designed to meet the needs of high school students planning a college major in business. The program includes substantive, continuing professional development along with specific agreements to ensure high-quality, rigorous curricula. Results from pilot participants over the past four years have been exceptionally positive.

James Gleason • President/CEO, MBAResearch, Columbus, OH

H6 HAMPTON

Information Technology Leaders Align Standards and Programs

Join us to understand what career and college ready means to the Information Technology industry, and to review a process one technology education program uses to map and document alignment to national education standards such as Common Core and STEM. You will also see a new tool the technology education program uses to help education institutions articulate alignment and learn from one university how they put it into action.

Caroll McGillan • Education Leader, Cisco, Annapolis, MD

H7 EXECUTIVE

Support for States Employability Standards in Career and Technical Education and Adult Education

In this session, participants will learn about the work that ED has funded through the Support for States' Employability Standards in Career and Technical Education and Adult Education project. The session will be presented by the MPR Associates, Inc. Project Director and will be facilitated by Office of Vocational and Adult Education staff. Highlighted topics will include:

- Establishing and convening a technical work group,
- Producing a consensus report (framework) that identifies and describes 21st century employability skills for youth and adults, and
- Creating an assessment rubric.

Nancy Smith Brooks • Division of Academic and Technical Education, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Laura Rasmussen • Senior Research Associate, MPR Associates, Inc. Washington, DC

H8 CAPITOL

Is a Web-Based Perkins Plan for Your State?

Learn from Maryland's experience in developing and implementing a Web-based Perkins Plan. This practical presentation will include a live demonstration of how the Web-based plan works, including both input and output. You will also learn about the benefits of moving to a Web-based plan and the steps and timeline followed to develop, pilot and implement a Web-based plan.

Kathy McNerney • Program Supervisor, Maryland State Department of Education, Baltimore, MD

Jeanne-Marie Holly • Program Manager, Maryland State Department of Education, Baltimore, MD



H9 CABINET

Strategies for Enhancing your Transportation, Distribution, & Logistics Career Cluster™

Opportunities for transportation careers are growing—with job growth projections on the rise over the next 10 years. This interactive session will provide an opportunity for participants to share promising practices, explore opportunities for better coordination with transportation industry partners, and build strategies for enhancing collaborative programs. Please join us for an open dialogue as we work together to enhance our Transportation, Distribution & Logistics Career Clusters™!

Bryna Helfer • Director of Public Engagement, Office of the Secretary, U.S. Department of Transportation, Washington, DC

H10 COUNCIL

Vendor Session: Incorporating Career Pathways with Career Planning

This presentation will highlight the new ways Kuder is helping to incorporate pathways into career planning. Kuder's assessments report results aligned to the National 16 Career Clusters™ but users will see a new, additional and highly informative report— a rank-ordered listing of the student's five closest matching career pathways. Attend this presentation to find out more about this report, and how it serves as an additional organizational tool to develop more effective programs of study and occupational success.

Scott Vandever • Vice President of National Sales, Kuder, Inc., Adel, IA

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Session I: Concurrent Breakouts

3:30 p.m. – 4:45 p.m.

Please note there are only 3 sessions to choose from in concurrent breakouts in Session I.

11 DIPLOMAT BALLROOM

Perspectives from the Hill: Legislative Implications for CTE

This session will provide an update from Congressional staffers about federal legislation and funding proposals affecting Career Technical Education, the Carl D. Perkins Career and Technical Education Act of 2006, and workforce issues. Take this opportunity to hear about the priorities of members of Congress, and to ask their staffers any questions you have about the year ahead on Capitol Hill.

Soncia Coleman • Education Policy Advisor for Senator Tom Harkin (D-IA), U.S. Senate Committee on Health, Education, Labor and Pensions

Kristin Smith • Deputy Chief of Staff for Rep. Denny Rehberg (D-MT), U.S. House of Representatives Committee on Appropriations

Kirtley Fisher • U.S. House of Representatives, Legislative Assistant for Representative Jim Langevin (RI)

12 REGENCY BALLROOM

Common Core State Standards and Career Technical Education: Bridging the Divide between College and Career Readiness

A panel of experts will present findings from a new report titled, *Common Core State Standards and Career and Technical Education: Bridging the Divide between College and Career Readiness*. The report is issued jointly by Achieve, with National Association of State Directors of Career Technical Education Consortium and Association of Career and Technical Education, and conducted by the Meeder Consulting Group.

The Common Core State Standards for English Language Arts and Mathematics are meant to create shared expectations for students across all the states that implement them. They are also meant to influence other content areas, particular in the area of reading comprehension. So -- exactly how can the Common Core State Standards be implemented with regard to career pathways and Career Technical Education? And how far along are states progressing in integrating the Common Core

with their CTE programs?

The new report offers the following findings:

- What state leaders are currently doing with regards to implementing the CCSS into CTE
- Specific strategies and supporting examples of what particular states are doing
- Common barriers and challenges that state leaders face.

Kate Blossveren • Associate Director of Strategic Communications and Outreach • Achieve, Washington, DC (facilitator)

Hans Meeder • President, Meeder Consulting Group LLC, Columbia, MD

Kimberly A. Green • Executive Director, NASDCTEc, Silver Spring, MD

Steve Dewitt • Senior Director of Public Policy, ACTE, Alexandria, Virginia

Patrick Ainsworth • President, of the National Association of State Directors of Career Technical Education Consortium (NASDCTEc); State CTE Director for the California Department of Education

13 AMBASSADOR BALLROOM

Green/Sustainability Standards and the Career Clusters™

The U.S. Department of Education supported a pilot effort that provided resources to develop a set of Green/Sustainability standards in six of the Career Cluster™ areas. The results of this effort, including the Green/Sustainability standards developed in Agriculture, Food & Natural Resources; Architecture & Construction; Information Technology; Manufacturing; Science, Technology, Engineering & Mathematics (STEM); and Transportation, Distribution & Logistics will be shared. A panel of presenters include subject matter experts, technical working group members, and others involved in the development and future use of the resources.

Steve Klein • Director, Preparation for College and Career, MPR Associates, Portland, OR

Seth Derner • President, Vivayic, Inc., Lincoln, NE

Susan Jane Gentile • Faculty, Department of Environmental Studies and Department of Education, Antioch University New England, Keene, NH

Dean Folkers • Deputy Executive Director, National Association of State Directors of Career Technical Education Consortium/ National Career Technical Education Foundation, Silver Springs, MD



Registration/Help Desk

Regency Gallery

7 a.m. – Noon

Continental Breakfast

Regency Ballroom

Raffle Drawing!

Bingo Cards will be drawn for awesome prizes from our sponsors and the lucky winners must be present to win. Raffle Drawing will begin at 7:30 a.m.

7 a.m. – 8 a.m.

Policy Strand Session

8 a.m. – 9 a.m.

J1

AMBASSADOR BALLROOM

Transforming Career and Technical Education: Implications of State-Level Reforms in the Administration's Perkins Blueprint

The Obama Administration has called for many bold reforms to strengthen Career and Technical Education (CTE) across the country in its blueprint for the Carl D. Perkins Career Technical Education 2006 reauthorization. The Office of Vocational and Adult Education will discuss those reform models that will impact the way that states develop, administer, implement, and evaluate local CTE programs. Such models include prioritizing in-demand occupations in high-growth industry sectors, creating structures and incentives for continuous program improvements, operationalizing consortia, and sharing common student and measurement definitions for accountability. This session will describe the Administration's proposals in each of these areas and then focus on the assets that states already have and the challenges they will face in undertaking these reforms.

Sharon Miller • Director, Division of Academic and Technical Education (DATE), Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Robin Utz • Branch Chief, College and Career Transitions Branch, Division of Academic and Technical Education, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Alicia Bolton • Broad Resident and Policy Advisor, Office of the Assistant Secretary for Vocational and Adult Education, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

Session J: Concurrent Breakouts

8 a.m. – 9:30 a.m.

J2

EXECUTIVE

From Vision to Practice: Developing Rigorous Programs of Study Aligned with State Economic and Workforce Development Needs

Be introduced to the process Nebraska uses to validate and develop model rigorous programs of study in a local-control state. From the high-level Visioning Forum, to the Standards Revision Process which includes academic alignment and development of the professional development workshops, participants will receive all the tools to modify and use in their own state.

Erika Volker • Director, Partnerships for Innovation, Papillion, NE

Carol Ringenberg • Curriculum Field Specialist: Health Sciences, Family and Consumer Sciences, Law, Public Safety, Corrections and Security, NE Department of Education, Lincoln, NE



J3 HAMPTON

Making the CTE Connection to Common Core State (Reading and Math) Standards – Follow up Discussion

The Common Core State Standards (CCSS) for English Language Arts and Mathematics are meant to create shared expectations for students across all the states that implement them. They are also meant to influence other content areas, particular in the area of reading comprehension. So -- exactly how can the Common Core State Standards be implemented with regard to career pathways and CTE? And how far along are states progressing in integrating the Common Core with their CTE programs?

Hans Meeder, former Deputy Assistant Secretary for OVAE, will provide an overview of the research project that Meeder Consulting has conducted to address these questions. The new report, carried out under the sponsorship of Achieve, Inc. and in cooperation with National Association of State Directors of Career Technical Education Consortium and Association for Career Technical Education, offers insights regarding ways CCSS and CTE can collaborate.

This session provides a continuing discussion tied to the Tuesday afternoon session on Common Core State Standards and Career Technical Education: Bridging the Divide Between College and Career Readiness, in which these speakers shared findings for Common Core State Standards for English Language Arts and Mathematics. Attendees are encouraged to join in on the discussion.

Hans Meeder • President, Meeder Consulting Group LLC, Columbia, MD

Laura S. Roach • Secondary-Postsecondary Transitions Team, Oregon Department of Education, Educational Improvement and Innovation, Salem, OR

J4 CALVERT

North Carolina Career & College Promise, Preparing Students for Careers and College

North Carolina's Career and College Promise provides dual enrollment opportunities for students to accelerate completion of college certificates, diplomas, and associate degrees leading to college transfer or entry-level job skills. Learn how North Carolina public schools and community colleges collaborated to help students get a head start on career and college.

Felicia Gray-Watson • Section Chief, CTE Support Services, NC Department of Public Instruction, Raleigh, NC

J5 GOVERNORS BOARD

Breaking Down the STEM Silos through Problem-Based/Project-Based Curriculum

Participants will learn how Project Lead the Way's activities-, projects-, and problem-based (APPB) programs are impacting, math, science and technology education through student engagement and retention. Research methodology and results from multiple evaluation and research studies including a statewide longitudinal study conducted in the state of Iowa will be shared.

Ken Maguire • Director, Upper Midwest Region, Project Lead the Way, West Des Moines, IA

J6 EMBASSY

STEM Education: Award-Winning Model that Works for All Schools

The Southwest Academy for 21st Century Excellence was selected as a national model Project Lead The Way program in 2010 for its success in promoting Science, Technology, Engineering and Math (STEM) education among small rural Wisconsin school districts. Participants will learn more about STEM and how all schools can use a consortium effort to provide quality implementation.

Greg Quam • Career and Technology Coordinator, Platteville School District, Platteville, WI

Julie Pluemer • Career Prep Specialist, Southwest Wisconsin Technical College, Fennimore, WI

Mary Johannesen • Project Coordinator, Cooperative Educational Service Agency (CESA) #3, Fennimore, WI



J7 CAPITOL

Designing Instruction for Career Pathways

Career pathways are all the rage in education these days. With the varying models and approaches that currently exist for building pathways, it is not easy for those who provide educational opportunities for adults in Career Technical Education to know what works best for adult career pathways or how to best implement effective career pathways programs. At this session, the presenters will share proven models and leading resources that support Adult Career Pathways, and will discuss ways to access training and technical assistance to help states, community and technical colleges, and other types of educational entities move forward with building and implementing effective career pathway systems.

NOTE: The presentation will promote a new, free resource available to the public, which is funded by the U.S. Department of Education, Office of Vocational and Adult Education. This resource is the Adult Career Pathways Training and Support Center (www.acp-sc.org).

Michelle Carson • Deputy Project Director, Kratos Learning, Arlington, VA

Hope Cotner • Vice President for Community College Initiatives, Center for Occupational Research and Development (CORD), Waco, TX

J8 COUNCIL

Service Learning by the Numbers

The National FFA has engaged over 7,000 rural youth in service-learning projects through their Living to Serve Program over the past year. Join FFA staff to examine innovative practices through an in-depth look at project outcomes, including return on investment, and the tools utilized to gather that information.

Stefonie Sebastian • Team Leader, National FFA Organization, Indianapolis, IN

Dedra Andreko • Program Manager, National FFA Organization, Indianapolis, IN

J9 CONGRESSIONAL A/B

Vendor Session: Education Content for iPad

iPad is changing the learning experience, making it more engaging, interactive and completely mobile. With features you won't find on any other educational device, iPad inspires creativity and hands-on learning. Powerful apps let students engage with content in interactive ways, find information in an instant, and access an entire library wherever they go. iBooks textbooks involve students in a dynamic, Multi-Touch experience full of interactive diagrams, animations, photos and video all designed specifically for iPad. iTunes U gives teachers and students from kindergarten to university a powerful way to create and take courses. And now, everyone can create their own beautiful, Multi-touch books and learning materials for iPad, with iBooks Author, a free app from the Mac App Store.

In this session, you'll get an overview of amazing apps for teaching and learning, see interactive iBooks textbooks built with iBooks Author, and learn how iTunes U gives educators powerful tools to develop and distribute courses featuring audio, video, books and other content. Please join us to discover how iPad is changing the classroom.

Paul Facteau • Innovation Architect, Apple Inc., Western Massachusetts

Policy Strand Working Groups: Perkins Reauthorization (NASDCTEc Members Only)

9 a.m. – 11 a.m.

K1 AMBASSADOR BALLROOM

NASDCTEc Working Groups: Perkins Reauthorization (Members Only)

During these interactive small group sessions, NASDCTEc members will have the opportunity to hear about NASDCTEc's Perkins white paper, and discuss topics related to Perkins reauthorization, including college and career readiness, secondary to postsecondary transitions, funding structures, and data and accountability.



Session K: Concurrent Breakouts

9 a.m. – 11 a.m.

K2 CALVERT

Arkansas Works: Creating a Competitive Workforce through State and Community Collaboration

Arkansas Works helps students realize the importance of completing high school, highlights the available postsecondary opportunities, provides resources about financial aid options, and offers information on in-demand careers – including the education and skills required to compete in these industries.

Sonja Wright-McMurray • Associate Director, Arkansas Works, Arkansas Department of Career and Technical Education, Little Rock, AR

K3 CAPITOL

The New IQ? Understanding and Teaching Executive Function Skills

Research has demonstrated that strength in executive function skills is more important to academic success than IQ. Students with solid executive function abilities are more resilient, use time wisely, possess excellent social skills, are effective problem solvers, and are more self-aware and socially attuned. More than any other education adults can provide, teaching students executive function skills places them on the most direct path to success.

Shauna King • Certified Presenter/School Principal, the Upside Down Organization, Baltimore, MD

K4 EMBASSY

Industry-Recognized Credentials: Your Passport to a Rewarding Career in Construction

The National Center for Construction Education and Research (NCCER) develops over 60 craft training programs for construction, maintenance, pipeline and energy professionals. Successful completion of these courses results in trainees earning portable, industry-recognized credentials which open the doors to rewarding career opportunities in construction.

Learn more about the merging opportunities for Career Technical Education students in Green Jobs, Weatherization, and the Power Industry.

Ed Prevatt • Director, Workforce Development, NCCER, Alachua, FL

K5 EXECUTIVE

Improving the Transition to Teaching for Career Technical Teachers Entering through Alternative Routes

Beginning Career Technical teachers need a variety of support to make a successful transition to teaching. This session will share the research findings of a project to develop an induction model that provides over 200 hours of professional development and support framed around the most pressing questions new teachers face.

Gene Bottoms • Senior Vice President, Southern Regional Education Board, Atlanta, GA

Heather Sass • Director, Southern Regional Education Board, Worthington, OH

K6 GOVERNORS BOARD

Addressing the Career Foundations Standards in Texas AAVTC and IT Clusters

Texas is setting a new standard in the Arts, A/V Technology, & Communications (AAVTC), and Information Technology (IT) Career Clusters™! Process and products will be shared relative to National Career Clusters™ Career Foundations Standards, setting high standards for student projects, and establishing instructional timelines to assist teachers in the implementation of new courses.

Lynne Cox • Curriculum Coordinator: Arts, A/V Technology & Communications, University of North TX, Denton, TX

Pamela Bracey • Curriculum Coordinator: Information Technology, University of North TX, Denton, TX

Mike Gentry • Curriculum Coordinator, University of North TX, Denton, TX

Denise Philpot • Curriculum Writer, University of North TX, Denton, TX



K7 CONGRESSIONAL A/B

CTE Curriculum Standards: Beyond Knowledge

California has recently completed the process of updating its CTE Model Curriculum Standards. Using a hybrid matrix, the standards are organized in a hierarchy of performance indicators. The standards also reflect both deliberate and incidental alignment with the Common Core State Standards and the New Generation Science Standards. This interactive session will provide guidance for updating Career Technical Education standards while creating meaningful alignments with core academic content.

Russell Weikle • Education Administrator, California Department of Education, Sacramento, CA

Patrick Ainsworth • CTE State Director, California Department of Education

K8 COUNCIL

A Call to Action: Alaska's CTE Plan – Establishing, Sustaining, and Implementing Inter-agency Partnerships

Representatives from Alaska's Department of Education and Early Development, Department of Labor and Workforce Development, and the University of Alaska Statewide will present how an interagency partnership was established to be sustainable and with proactive initiatives towards career and technical educational reform. An in-depth introduction to the Alaska Career and Technical Education Plan including implementation plan will be provided. We also propose to have a sharing session about other states' efforts toward inter-agency partnerships.

Fred Villa • Associate Vice President, Academic Affairs for Workforce Programs, University of Alaska Statewide, Fairbanks, AK

Jeff Selvey • Executive Director, Alaska Workforce Investment Board, Alaska Dept. of Labor and Workforce Development, Anchorage, AK

Helen Mehrkens • Alaska State Director for CTE, Alaska Department of Education and Early Development, Juneau, AK

K9 HAMPTON

Common Career Technical Core and Revalidation of the Knowledge and Skills Statements – A Summary Report

This session will discuss the process and progress of updating the Knowledge and Skill Statements associated with the National Career Clusters™ Framework. The revision process is utilizing online technology and incorporates work from a federal U.S. Department of Education funded segment designed to infuse green standards. Discussion about the Common Career Technical Core standards will also be addressed during this session.

Dean Folkers • Deputy Executive Director, National Association of State Directors of Career Technical Education/National Career Technical Education Foundation, Silver Spring, MD



Closing Keynote

Regency Ballroom

11:10 a.m. – Noon



Keynote Speaker:
Rehema Ellis
Chief Education Correspondent
NBC News

Rehema Ellis of NBC News will provide thought-provoking, inspirational remarks to our group.

With a 25 percent dropout rate nationwide and a rising number of students needing remedial education once they get to college, many would refer to this as a crisis. No longer are poor scores in reading, writing and mathematics the problem of one school or division. Academic success means economic success and the more educated the people are, the more prepared the country will be to compete globally.

How does Career Technical Education, delivered through Career Clusters™, add to this success? Across the United States and abroad, Ms. Ellis will share what she views as “working” in the education system.

Rehema Ellis

Rehema Ellis joined NBC News in 1994, as a general assignment correspondent. In 2010, she was named Chief Education Correspondent and was an integral part of NBC’s first annual Education Nation summit that focused on the strengths and weaknesses of America’s education system. Her reports appear on NBC Nightly News with Brian Williams, The Today Show, and MSNBC. She was part of the NBC Emmy award-winning coverage of the plane crash in the Hudson River, Miracle on the Hudson. She also won an Emmy for her reporting on the 2008 Presidential Election of Barack Obama and his historic inauguration. She has been part of other headliner stories including the attacks on the World Trade Center. She was the first person to identify the attack on the air as “Nine-Eleven.” Ms. Ellis has reported on Hurricane Katrina, the death of Michael Jackson, and the Haiti earthquake. As a correspondent for NBC, she traveled to Zaire

to report on the mass killings that left an estimated one million people dead in Rwanda. She has distinguished herself as a lead correspondent and received numerous awards including local and national Emmys, Edward R. Murrow Awards, Associated Press awards, and awards from the National Association of Black Journalists. She’s also a recipient of an Honorary Doctorate Degree in Journalism.

Born in North Carolina, and raised in Boston, she graduated from Simmons College in Boston and Columbia Graduate School of Journalism in New York.

Ellis currently lives in New York City with her young son.

Ms. Ellis’ presentation is in partnership with NBC LEARN.

www.nbclearn.com



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