## 2013 National Career Clusters® Institute Breakout Sessions

### Monday, June 10

### Session A: Concurrent Breakouts (2:30 p.m.-3:30 p.m.)

#### Why Career Academies Work

A panel for this session will discuss why career academies work. Topics include:

- Why Educators like career academies (Hans Meeder)
- Why the world of business likes career academies (Lucia Folk)
- What the National Career Academy Coalition (NCAC) does to assist both educators and business in the process

Sandy Mittelsteadt, Zayn Consulting, will moderate the panel and highlight national trends for career academies.

Sandy Mittelsteadt, President, Zayn Consulting, Bakersfield, CA

Jan Struebing, Executive Director of the National Career Academy Coalition (NCAC)

Hans Meeder, Former Deputy Assistant Secretary for Education in the U.S. Department of Education's Office of Vocational and Adult Education, President, Meeder Consulting Group, LLC

Lucia Folk, Public Affairs for Country Music TV

#### **Extreme Makeover: CTE Standards Edition**

What appeared initially to be an easy revise and update turned out to be a complete "Extreme Makeover" of the California CTE Model Curriculum Standards. The newly adopted CTE Standards have been updated to meet the expectation for the 21st Century workforce, to ensure all students are career and college ready. Learn how the CTE Standards align with and can support the common core, next generation science standards, and social science standards. The CTE Standards include an overarching set of Standards for Career Ready Practice that are designed to ensure all students are truly career ready.

Russ Weikle, Interim Division Director, Career and College Transitions Division, California Department of Education, Sacramento, CA

#### **Mapping Pathways to Career Success**

This session will provide participants with an interactive map to help students utilize the Career Cluster® resources they will need to travel on their future pathway to success.

Dr. Karen Alexander, AchieveTexas College & Career Initiative Coordinator, Texas Tech University, Lubbock, TX

Mrs. Cindy Miller, Graduate Research Assistant, Texas Tech University, Lubbock, TX

#### **Utah's Pathway Completer Tool**

To support CTE accountability measures Utah developed the Skill Certificate program which provides students an opportunity to receive instruction aligned with standards and objectives set by the state of Utah and industry. Utah's Pathway Completer Tool was developed to be a results-driven system utilizing Utah's Skill Certificate data. The tool allows administrators, counselors and teachers to access local data related to CTE Pathways. Students are recognized at graduation ceremonies with medallions and cords as a "CTE Pathway Completer."

Mrs. Mary Shumway, Career, Technical, and Adult Education Director, Utah State Office of Education, Salt Lake City, UT

Mrs. Wendi Morton, CTE Coordinator, Pathways and Program Approval, Utah State Office of Education Salt Lake City, Utah

#### Forming Partnerships to Build Local Capacity for CTE

This presentation will provide participants with an example of how regional, CTE districts can work with local comprehensive high schools and universities to increase access to rigorous CTE programs for all students. Participants will leave with their own roadmap to build capacity in their community.

Dr. Howard Lerner, Superintendent, Bergen County Technical Schools, Paramus, NJ

Dr. Michael Kuchar, Superintendent, Bergenfield Public Schools, Bergenfield, NJ

#### **Closing the Skills Gap in CTE Secondary Education**

Closing the skills gap in a CTE program; will discuss the partnerships that are needed to develop a curriculum that addresses current industry standards and the level of education needed to stay competitive with a global workforce.

Mr. Lamont Gill, Auto Technology, Essex County Vocational & Technical School Pottersville, NJ

#### **Teaching Common Core Standards Using Transportation Career Activities**

Learn how teachers use transportation-themed project-based lessons to teach Common Core Standards. By session's end you will have instant access to over 500 free lesson plans and an Introduction to Transportation, Distribution and Logistics Course for 9th and 10th grade students. Lessons are available for English Language Arts, Mathematics, Social Studies and Career Technical Education classrooms.

Dr. Frances Beauman, Project Director, Transportation Careers, Springfield, Illinois

Ms. Sandra Dunkel, Project Coordinator, Transportation Careers, Springfield, Illinois

#### **Monitoring performance of Career Academies**

Career academies combine a CTE sequence with college-prep academic courses. Research has found academies can improve outcomes for students. As the number of academies grows, it is important to make sure they continue to produce the intended results. This presentation shows how this can be done, using information from the California Partnership Academies.

Dr. David Stern, Professor, UC Berkeley, College & Career Academy Support Network, Berkeley, CA

#### Health Science Activities across the Curriculum: K-12

This interactive session offers examples of integrated activities K-12 that increase academic achievement, introduce students to healthcare career options, improve personal health practices and build partnerships between subject area faculty and the healthcare community. Each of the 127 integrated activities includes health science foundation, academic and career development standards.

Ms. Carole Stacy, MSN, NA, RN Executive Director, National Consortium for Health Science Education, Okemos, MI

## Vendor Session: "All Really Does Mean All" - The Next Big Challenge Facing Career Clusters®

Opportunities for students to participate in quality POS should not be determined by the size or location of the school they attend. Ascend Learning has developed the "total package" for POS implementation aligned with key components of the Design Framework that can be delivered in the traditional classroom or in a distance learning format. In this presentation, models of the "total package" in Health Science and Law, Public Safety, Corrections and Security will be demonstrated.

Mr. Scott Hess, Vice President of Community Partnerships, Ascend Learning, CTE Division, SC

### Session B: Concurrent Breakouts 3:35 p.m.-5 p.m.

#### **Teaching Individualism in a Standardized World: The Creative Brain**

The workshop will explore how the creative mind works. As well as having several interactive activities that demonstrate the creative process, participants will be handed a short booklet describing The Creative Brain. A sample project-based activity will reveal how one thinks creatively in a group setting.

Sandra Mittelsteadt, Owner, Zayn Consulting, Bakersfield, CA

Dr. Carol Folbre, Owner, Folbre & Associates Consulting, Marion, TX

#### **Criteria for High Quality CTE Programs**

This session will take a close look at how states are evaluating and assessing CTE programs across the nation. Strategies for implementation will be provided that follow the Office of Vocational and Adult Education's (OVAE) Design Framework for Rigorous Programs of Study (RPOS).

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

# **Reviewing and Using Eight Key Indicators of Rigorous Career Technical Education to Improve Programs of Study**

In this session participants will learn about Eight Key Indicators for Rigorous CTE that were revealed from research of the High Schools That Work and Technology Centers That Work Assessments. Participants will then engage in a strategy to use the indicators to develop instruments for use in classroom observations and analysis of CTE Programs. The process used can be replicated in schools to engage faculty in taking ownership of the school improvement process. Participants will leave this session with both a process to use and with a deeper understanding of these eight critical indicators for rigorous CTE.

Scott Warren, Director of State Initiatives for High Schools That Work, SREB

# Building Strategic Alliances with Business/Industry, Workforce Development, and Economic Development

Bringing together key partners to achieve buy-in, support and advocacy for important career technical education initiatives and projects has never been more crucial. But, there must be a

win-win dynamic in place and their investment of time, energy and resources must be respected at every stage. This session will share best practices for building strategic alliances with diverse groups. Participants will review examples and outcomes of collaborative work that has taken place in Nebraska including the Nebraska Standards for Career Ready Practice, Career Readiness Modules, Professional Development Modules, H3 Website, Preparation for Tomorrow Food and Nutritional Sciences project and others.

Gregg Christensen, Entrepreneurship and Career Education Specialist-Nebraska Career Education, Lincoln, NE

#### Making your CTE Curriculum Accessible to All Special Populations

This presentation outlines strategies and resources that Career and Technical Education (CTE) instructors can use to ensure that all special populations in their classes regardless of disability or background can benefit. Specifically this session will introduce the principles of Universal Design for Learning (UDL) and their application in CTE settings.

Dr. Lakshmi Mahadevan, Assistant Professor, Texas A&M AgriLife Extension Service, College Station, TX

Dr. Rick Peterson, Associate Professor, Texas A&M AgriLife Extension Service, College Station, TX

#### Rigorous and Relevant Technical Writing in the High School

More than 80 percent of high school students' writing involves academic writing about literature. This is no longer adequate preparation for the workplace or college. Greater emphasis must be placed on training students how to communicate in the growing business world through an understanding of technical writing. This workshop will give hands-on experience and many ideas about writing projects.

Mrs. Carol Larkin, Instructor, Mentor Public Schools/Lake Shore Compact, Lyndhurst, Ohio

# Case Study: A Model Process for Determining the Viability of a Low-Performing Career and Technical Education Program

This case study explored local, state, and national data of similar programs to determine the viability of a Career and Technical program. This easy to replicate process yielded data that was used to make informed decisions about the program as well as yielded national trends within the industry.

Mr. Matt Simoneau, Associate Dean of Academic Affairs, Inver Hills Community College – Inver, Grove Heights, MN

#### **Building Advisory Boards That Matter**

Too often, running an advisory board is simply a matter of compliance. But, with the right structure and processes, an advisory board can become the lifeblood of an energized program. During this workshop, Hans Meeder and Brett Pawlowski will share tips, hints and real-life applications they have collected and published in their new book, Building Advisory Boards That Matter.

Mr. Hans Meeder, President, National Center for College and Career Transitions Columbia, MD

Mr. Brett Pawlowski, Vice President, Business Engagement, National Center for College and Career Transitions, Charlotte, NC

#### Healthcare 2020: Putting students on the path to success!

Demand for healthcare occupations will expand rapidly in the next 5 to 10 years, there will be shortages. How can our CTE programs prepare students to be successful and meet the demand? This session will outline where the greatest demands will be, what skills and abilities students will need to succeed. Interactive group work will engage participants in project based activities and provide useful teaching learning strategies.

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

### Tuesday, June 11

Session C: Concurrent Breakouts 8:45 a.m. – 9:45 a.m.

#### The Impact of No Child Left Behind on CTE

This presentation will focus on how No Child Left Behind has impacted Career Technical Education (CTE). It will explore the perceptions between teachers and administrators. It will examine how CTE can help the school reach the objects set by NCLB and how teachers can develop lessons to address the goals set by school district to reach NCLB.

Mr. Stephen "Keith" Parker, Criminal Justice Teacher, Temple High School, Temple, TX

#### **Business and Industry Partnerships: The Key to High-Quality CTE**

Statewide Pathway Advisory Councils (PAC) are instrumental in guiding the development of extraordinarily high-level standards for Hawaii's CTE program of study courses which culminates in a statewide performance-based assessment event that showcases the creativity and problem-solving abilities of CTE students. In this session, you'll learn how to engage business and industry so that they are central to your program improvement efforts and ambassadors for

your program. You will also participate in a problem-based scenario similar to what students experience in the statewide performance-based assessment event.

Barbara White, Associate State Director, Office of State Director, University of Hawaii, Honolulu HI

Ms. Sherilyn Lau, Perkins Administrator, Hawaii Department of Education, Honolulu, HI

#### "Show-Me" a G.S.O.S. and I'll Be There!

Missouri, the Show-Me State, has designated nine (9) Career Education Coordinators within the state to provide support to K-12 school counselors in implementing their Comprehensive Guidance and Counseling Program. The Guidance System of Support (GSOS) uses area career centers has a hub to bring K-12 counselors together to help ensure their programs are helping all students be career and college ready. This session will provide information on how the GSOS is set up and the type of PD work offered.

Ms. Michelene Moeller, Career Education Coordinator, Lewis & Clark Career Center, St. Charles, MO

Ms. Janet Bagby, Career Education Coordinator, Kirksville Area Technical Center, Kirksville, MO

Ms. Michele Charlebois-Didreckson, Career Education Coordinator, Springfield, MO

#### Teacher Training and Development - Preparing Today's Students!

CTE schools require industry experience and in some cases the trade-off is limited preparation in teaching pedagogues. Thanks to a combination of universities, current needs, and NOCTI, several modules have been produced which provide new teachers with research-based information about assessments, certifications and third party testing. The modules can also serve as a great resource for college courses geared to CTE teacher prep as well as in-service for newly hired teachers.

Dr. John Foster, President/CEO, NOCTI, Big Rapids, MI

Mrs. Amie Bloomfield, Customer Care and Outreach Manager, NOCTI, Big Rapids, MI

#### Career Guidance: Everyone Has A Role to Play

Everyone that a student comes into contact with has the opportunity to support their knowledge of careers and career development. This presentation will outline how Alabama is developing guidance activities for grades K - 12 in the Career Domain. These activities can be done in a variety of school settings by members of a school faculty and staff. There will also be discussion about how to link to business and industry for support of the activities.

Ms. Margaret Smith, Education Administrator, Alabama Department of Education, Montgomery, AL

#### **Data Mining for Instructional Improvement: CTEDDI**

Strategies to improve instruction are embedded in your students' data if you know how to mine for them. CTEDDI (Career Technical Educators using Data-Driven Instruction) is a researched professional development mining tool. The 5-step model (Collect data, Analyze data, Verify and triangulate, Design an Action plan, and Implement plan and review outcomes) can be implemented in various ways to meet needs at the state or local level; importantly, each way involves a continuous improvement initiative rather than a one-time event.

Dr. Sandra Pritz, Senior Consultant, NOCTI, Columbus, OH

#### **Introduction to the Common Career Technical Core**

This session will introduce attendees to a description of the Common Career Technical Core, and provide context.

#### **Interactive Practices that Engage Business Partnerships**

Hear about the practices of the 4-Corners initiative to develop local partnerships for project based learning, mentorship, senior capstone, and internships. Utilize free resources that are available through IT companies, video conferencing, Google, and social networks to organize, refresh and provide new connections close to or far away from home.

Mrs. Melinda O'Connor, Teacher, Computer Information Systems, Mentor High School, Mentor, OH

#### **Financial Education for College Access and Success**

This session focuses on the Financial Education for College Access and Success program, which supports State-led efforts to develop, implement, and evaluate the effectiveness of personal finance instructional materials and corresponding teacher training, with the express purpose of providing high school students with knowledge and skills to make sound financial aid and other personal finance decisions, particularly in relation to obtaining access to, persisting in, and completing postsecondary education. The U. S. Department of Education awarded a four-year grant to the Tennessee Department of Education (V215W100015); the state department has contracted the work with Middle Tennessee State University. The presenter will demonstrate personal finance instructional materials and course curriculum including components on college admissions, applying for financial aid, scholarships, decision-making, and the college application process. These course materials reflect the Financial Literacy and Education Commission's five core competencies: earning, spending, saving and investing, borrowing, and protecting against risk. The draft website is: http://www.mtsu.edu/fecas/index.php.

Susan K. Cowden, Director of Accountability, Budget, Grants Management and Industry Partnerships, Division of Career and Technical Education, Tennessee Department of Education

### Session D: Concurrent Breakouts 11:10 a.m.-12:10 p.m.

## 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 an induction model that provides 200 hours of professional development and support framed around the most pressing questions new teachers face.

Dr. Nancy Headrick, Director, CTE Teacher Preparation Project, Kansas City, MO

#### **The Career Pathways Effect**

Two of the lead principals of *The Career Pathways Effect: Linking Education and Economic Prosperity* will share insights on this how-to guidebook for administrators, faculty, counselors, and business partners. The book provides insight from a broad range of national experts on Career Technical Education (CTE), Career Pathways, and Programs of Study.

The Career Pathways Effect is organized around NASDCTEc's new vision for CTE; five guiding principles to help ensure students of all ages are prepared to succeed in education and careers that will enable the U.S. to flourish in an increasingly competitive global economy.

Kimberly Green, Executive Director, National Association of State Directors of Career Technical Education (NASDCTEc), Silver Spring, MD

Dick Hinckley, CEO, CORD

#### **Secrets to Effective Virtual Professional Learning Communities**

For 3 years, the Pennsylvania Department of Education has sponsored virtual Professional Learning Communities (using web-based meeting technology) among CTE educators and administrators. The virtual PLC's allow teachers to share lesson plans, strengthen math integration, literacy and curriculum development techniques, and for administrators to share best practices in partnerships, data analysis, and other topics. Virtual Professional Learning Communities offer a valuable professional learning option to foster ongoing professional collaboration and sharing. In this session, participants will learn practical tips for organizing, structuring and operating virtual PLC's.

Ms. Jennifer Grams, Director of Best Practices and Program Coaching, Meeder Consulting, Columbia, MD

Mr. Hans Meeder, President, Meeder Consulting, Columbia, MD

#### Transitioning to Pathways: 10 Years in the Making

The transition to career cluster pathways requires much more than a name change. Moving from an occupational focus to a program with broader opportunities requires true changes in program design, content standards and measures to assess student learning. This session outlines a significant effort underway in Ohio to institute CTE pathway programs in the state.

Dr. Isaac Kershaw, Assistant Director, CTE, Ohio Department of Education

## **Business Engagement Strategies-Identifying Career Cluster® Development Through Partnerships**

The Business Engagement Strategy is a model to develop a well-trained workforce critical to regional prosperity by working closely with the surrounding business community and local-level leaders. Students receive an early orientation of career opportunities and a map that helps them navigate well-defined career pathways, particularly in the vibrant economic sectors.

Mrs. Susan L. Thackeray, Director, Career and Technical Education Utah Valley University Orem, UT

Dr. Gary Wixom, Assistant Commissioner, Academic Affairs, CTE Utah System of Higher Education Salt Lake City, UT

#### **Insurance Education and Career Training for Free**

InVEST, a free classroom education program, provides numerous resources to include insurance education and career preparation in 11th and 12th grade classrooms. Printed textbooks, teacher guide, online games, lesson plans, guest speakers, student scholarships and much more is available for free through InVEST! Jennifer Robinson, InVEST Program Director, will explain the importance of insurance education, the opportunity for growth in the insurance industry, the gaps in employment the industry is struggling to fill, and how to implement the free materials in your class so it's fun, informative and exciting for your students.

Ms. Jennifer Robinson, Program Director, InVEST, Alexandria, VA

## An Update on the Alignment Study of State Standards of the Common Career Technical Core

Presenters will share insights and provide an update on a special study regarding state standards of the common career technical core.

Dr. Joselito Lualhati, Director of Research and System Development, Global Skills X-Change, Alexandria, VA

Ms. Lauren Serpati, Research Analyst, Global Skills X-Change, Alexandria, VA

#### College Credit for CTE Competency...Available Now!

With the emphasis on assuring that students are career and college ready, the National College Credit Recommendation Service recently reviewed numerous technical assessments and recommended them for college credit at over 1500 colleges nationwide. This not only provides a motivation for students and a financial savings for parents but underscores the rigor of CTE programs. Learn about the process and how your students can benefit.

Dr. John Foster, President/CEO, NOCTI

Ms. Tina Grant, National College Credit Recommendation Service, New York

#### Creating Partnerships within Law, Public Safety, Corrections and Security/Internships

Creating successful partnerships with police departments/law enforcement agencies to provide learning opportunities for high school students and ready them for employment in Law Enforcement/Public Safety.

Mrs. Kristin Spivey, Detention Manager, Grand Prairie Police Department, Grand Prairie, TX

Mr. Justin Harper, LPSC Educator, Irving ISD, Irving TX

## **VENDOR:** Facilitating Career Success Through One Seamless Pipeline of Comprehensive Solutions

Similar to the educational structure, successful career planning begins at an early age in order to effectively transition individuals to the next stage of their life. Whether enrolling into a secondary or postsecondary institution, joining the workforce, or looking for a career change, Kuder, Inc. has the only customized line of complete end-to-end solutions that will help individuals navigate through life's journey. After 75 years of helping 150 million users worldwide see what they can be, this statement only scratches the surface of what our solutions can do.

Scott Vandever, Division Vice President, Sales and Support, Kuder, Inc., Adel, IA

### Session E: Concurrent Breakouts 1:20 p.m. – 2:20 p.m.

#### Business Industry Certification (BIC): CTE Programs that Provide 21st Century Skills

Alabama State Department of Education, Office of Career and Technical Education/Workforce Development, partnered with business and industry to establish an accountability system for the improvement and enhancement of career tech programs. Through strong collaboration between business and education, the BIC process is meeting regional workforce development demands, teaching 21st century skills through the use of technology, equipment, and facilities similar to those currently found in the workplace.

Mr. Randy Swann, Education Administrator, Alabama Department of Education, Montgomery AL

#### **Federal Legislative Update**

(Description coming soon)

David Beckett, Advocacy Manager, NASDCTEc

#### **Open Education Resources**

Today's workforce educator can get overwhelmed with the availability of online resources. This session will cover a multitude of valid technology tools for use in career assessment, career exploration, job skills, and career planning. Each resource will have an example of CTE classroom implementation idea, detailed explanation of how the tool works, and implications of how the tool could be used in workforce development. This session will provide useful, researched, and analyzed tools for CTE administrators and educators.

Kristin Firmery, Curriculum Coordinator University of North Texas, College of Information, Department of Learning Technologies

#### **Update from the National Center for Innovation in Career and Technical Education**

(HOLD)

Steve Klein, Principal Investigator, National Center for Innovation in Career and Technical Education

"No More Next Buttons" - Using Simulations in Career and Technical Education through OER

The purpose of the presentation is to explore how gaming and simulations are being used in CTE. This presentation will include an open discussion on the future of virtual environments and how they can be used to increase the access and availability of CTE programs.

Mr. Albert Palacious, Education Specialist, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

#### **Certifying College and Career Readiness**

What does college and career readiness really mean? How do we know if our career tech programs are really preparing students for life after high school? The National Academy Foundation has created the first of its kind student certification and assessment system that measures college and career readiness, providing students with a key credential to get a leg up in the world. Attendees will leave this session with a working definition of college and career readiness and knowledge of a system that measures several aspects of being college and career ready.

Mr. Mike Henson, Director, District Engagement, National Academy Foundation, New York, NY

#### **Infusing Entrepreneurship Education across the Career Clusters®**

Why and how entrepreneurship education can be infused across all Career Clusters® will be the focus of this session. An overview of research, key practices, resources, curricula and initiatives will build the foundation for a dialogue and sharing among participants about what is taking place in their states to create the next generation of innovators and entrepreneurs.

Gregg Christensen, Entrepreneurship and Career Education Specialist-Nebraska Career Education, Lincoln, NE

#### **Introduction to the Common Career Technical Core (Repeat)**

### Mega Sessions Concurrent Breakouts 2:30 p.m. – 3:30 p.m.

#### **Policy/Legislative Update**

James Hermes, Associate Vice President of Government Relations

American Association of Community Colleges (AACC)

Alisha Hyslop, Assistant Director of Public Policy, Association for Career and Technical Education (ACTE)

David Beckett, Advocacy Manager, National Association of State Directors of Career Technical Education (NASDCTEc)

#### Best Practices in Media Outreach to Build Support for CTE and CTSOs

A blend of traditional and non-traditional (social) media to reach diverse stakeholders is an important part of a strategic marketing plan for Career Technical Education (CTE) and Career Technical Student Organizations (CTSOs). Key practices and successful examples from Nebraska will be shared and a dialogue about what is working in other states will be the foundation of this session.

Gregg Christensen, Entrepreneurship and Career Education Specialist, Nebraska Career Education, Lincoln NE

### Session F Concurrent Breakouts 3:45 p.m. – 4:45 p.m.

#### The Common C.O.R.E.: Concentrating on Reality Education Results & Research

Much effort has gone into acquainting educators with the content and structure of the Common Core State Standards, but much less attention has been paid to developing and sharing sample activities and projects that cross disciplines while supporting the CCSS. Concentrating on Reality Education (C.O.R.E.) is a collaborative effort to integrate common core state standards with CTE, providing CTE teachers and administrators a process for identifying CTE's contribution to these career and college ready standards. This session will focus on the face-to-face and online professional development activities developed through the Missouri Center for Career Education and the research to date on its effectiveness with teachers and on student achievement.

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

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

#### Food Science as a Secondary Lab Science Class

Upon receiving a grant from Texas Education Agency, we began to plan lessons which reflected the Texas TEKS 130.230 on Food Science. We identified nine (9) experienced classroom teachers to write the lesson plans Texas teachers could use to teach Food Science as a lab Science (40% lab time). Topics in the content areas are:

- Exploring Food Science;
- The Food Science Laboratory;
- Fundamentals of Chemistry;
- Food Chemistry;
- The Microbiology of Food; and
- The Science of Nutrition

Dr. Janelle Walter, Professor-Nutrition, Baylor University, Waco, TX

Dr. Suzy Weens, Professor and Department Head, Baylor University, Waco, TX

#### **AP Coursework and POS**

Traditionally Advanced Placement courses have not been recommended for students in CTE programs. NASDCTEc and the College Board worked together to draft a "Relevance Report" that shows how AP courses ARE relevant to a student's program of study. This sessionwill look at that work and involve participants in further review and strategies for including AP courses in CTE.

Wanda Monthey, Senior Director, District and State Assessment Programs, The College Board

CTE Learning that Works for America: Best Practices to Promote CTE

(Description coming soon)

NASDCTEc Staff

Policy Q & A Session: Get your questions answered from the mega session

#### Trends in CTE Data

What do the trends in data imply for career and technical education? This session will provide trend data and conversations important for policy and legislation at state and local levels for Carl D. Perkins grant recipients. Recommendations from the SPAC (States' Perkins Accountability Congress) will be shared in light of reauthorization.

Mr. Albert Palacious, Education Specialist, Office of Vocational and Adult Education, U.S. Department of Education, Washington, DC

## LPSCS and GPA Resources from the Texas Education Agency and the University of North Texas

This presentation introduces the Texas Education Agency (TEA) Educational Excellence grant resources and instructional materials for secondary Law, Public Safety, Corrections and Security (LPSCS) and GPA educators provided at no cost on the University of North Texas (UNT) Career and Technical Education (CTE) website (http://cte.unt.edu/).

Ms. Amber O'Casey, Curriculum Coordinator, University of North Texas, Denton, TX

An Update on the Alignment Study of State Standards of the Common Career Technical Core (repeat)

#### Vendor Session: Getting Started with Java using Alice3

This presentation lays the foundation for educators with little or no programming experience to learn Java working with Alice3 interactive development environment. The session will introduce fundamentals of programming concepts and terminology in an easy, engaging manner.

Ms. Tzel Ramos, Program Manager, Oracle Academy North America, Redwood City, CA

### Wednesday, June 12

#### Session G: Concurrent Breakouts 8:30 a.m.-9:55 a.m.

#### **CTE & the Common Core: A Collaborative Development Process**

How do we include CTE in the Common Core discussions? At the Missouri Center for Career Education, we've developed a process for CTE teachers to not only align, but to integrate common core state standards with Career & Technical Education. This session will allow participants to experience the C.O.R.E. process with sample lessons, and to walk away with a procedure that administrators can lead in their own state, district, or school.

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

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

#### **Exposing and Engaging Students in Careers**

Learn about an effective partnership with the Omni (Ft. Worth) that played a key role in a pipeline workforce training endeavor. When workforce youth evaluations showed little interest in hospitality industry, discover how the process was began and the results of the program.

Mr. Terry Carlile, Director TLC Solutions, Longview, TX

#### All on Board the Engine Driving Wisconsin's Career Pathways Initiative!

Discover how Wisconsin integrates Programs of Study and student Academic & Career Plans within the Career Clusters® framework through the Wisconsin Career Pathways Website. Join us in this hands-on workshop as we lead you through this web-based interactive resource. Get on board as a program-of-study builder, student and counselor!

Ms. Marge Rubin, Director-College & Career Pathways, Fox Valley Technical College, Appleton, WI

Ms. Jennifer Wagner, K-12 Relations Manager, Moraine Park Technical College, Fond du Lac, WI

Mr. Jay Stulo, Director-Learning Innovations & Technology, Appleton, WI

## Preparation for Tomorrow; A High School Curriculum Program in 12 Career Cluster® Areas

Preparation for Tomorrow is a Career Cluster® curriculum that is so engaging, rigorous, authentic, and affordable that it will transform education in America's high schools The mission of PFT requires a belief system that accepts a broader concept of rigor:

- Application-based learning
- Project-based learning in real-world use of academics
- Assessments measuring students' depth of learning of both technical and academics
- Connect learners to the meaning and purpose of school

By 2012 the U.S. will be 3 million skilled workers short in all high-skill sectors predominantly in STEM. We need to make sure that young Americans have the skills to perform these jobs.

Mr. Richard Blais, Senior Advisor to SREB Preparation for Tomorrow, Southern Regional Education Board, Atlanta, GA

#### **High School Transformation at the Community Level**

Ford Next Generation Learning (Ford NGL), a national program developed by Ford Motor Company Fund, focuses on supporting communities in aligning resources to transform their high schools into career- and interest-themed academies. The resulting network of currently 17 communities is pushing the boundaries of education reform tied to workforce and economic development.

Ford NGL addresses the growth of high-wage, high-skill career pathways in which academic achievement and technical skills have become intertwined and represent a new standard for success.

Please join Rick Delano, national consultant with the Ford Motor Company Fund to learn more about Ford Next Generation Learning. Rick will be presenting our closing keynote on Millennials in the Workplace following this breakout session.

Richard K. Delano, Consultant, Ford Motor Company Fund and President Social Marketing Services (SMS, LLC), Bridgehampton, NY

Illinois' Regional Network Approach to Professional Development: Raising the Bar

Building on the work of the previous Illinois Regional Collaboratives, the Illinois Community College Board released the CTE Regional Network Grant to support professional development activities across the state. This session will explore the creation, development and expansion of the CTE Regional Network, specifically examining how and why the network was created, the objectives it fulfills and the partners involved. Join us to learn more about effective, continuous professional development and avenues utilized to engage multiple partners in content development and delivery.

Dr. Aimee Julian, Co-Director, Illinois Center for Specialized Professional Support, Normal, IL

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

Mrs. Amanda Corso, Associate Director of -Programs of Study, Illinois Community College Board, Springfield, IL

Mr. Ali O'Brien, Assistant Vice President for Education Affairs, College of Lake County

## FREE Resources for Education and Training, Hospitality and Tourism, and Human Services Cluster Teachers!

The Statewide Instructional Resources Development Center (SIRDC) is a Texas Education Agency Perkins state leadership grant-funded project that has been awarded to Stephen F. Austin State University. SIRDC provides free instructional lessons and resources for Education and Training, Hospitality and Tourism, and Human Services Career Clusters® teachers. This interactive session will provide participants with information on the development of this project as well as instructions on accessing and navigating through all website components - www.cte.sfasu.edu.

Ms. Sandra Ann Delgado, CTE Associate Project Director, Statewide Instructional Resources Development Center, San Antonio, Texas

Mrs. Diane Salazar, Texas Statewide CTE Coordinator, Texas Education Agency, Austin, Texas

Dr. Lynda Martin, SFA Director, School of Human Sciences, SFA Grant Program Investigator, SFA School of Human Sciences Nacogdoches, Texas

#### Session H: Concurrent Breakouts 10 a.m.-11 a.m.

## **Developing Dynamic Learning Object Clusters to Promote Individualized Learning: Content within Context**

This session will describe the development of learning object clusters (LOCs) that can be used as stackable, reusable instructional components that increase student technical and employability

skills. LOCs integrate general education standards with the Common Career Technical Core standards to promote individualized learning of "content within context".

Dr. Joselito Lualhati, Director of Research and System Development, Global Skills X-Change, Alexandria, VA

Ms. Lauren Serpati, Research Analyst, Global Skills X-Change, Alexandria, VA

#### Ready, Set, Go

Where do you begin? Situated in a small rural area of Kansas, Central Heights has incorporated career awareness activities at the elementary level, K-5. Students at the middle school experience career exploration through the Kansas Career Pipeline, the Kuder Inventories, Career Days, and Student/Parent enrollment night.

Mrs. Linda Thurston, Teacher, USD 288 Central Heights, Richmond, Kansas

Mrs. Ann Collins, Principal, USD 288 Central Heights Elementary, Richmond, Kansas

Mr. Trent Page, Teacher, Richmond, Kansas

#### A Vision for the 21st: Industry and High School Collaboration in Optics

East High School is an urban high school in Rochester, NY that is collaborating with local optics companies to help meet the high demand for optical technicians in the local economy. With state grant money, the school has created two lab spaces where students may learn ophthalmics (making prescription glasses) or precision optical fabrication (machining precision lenses for telescopes, cameras, etc) using the machines and instruments found in industry. High school courses designed with input from local experts can simultaneously help students and the local economy succeed.

Mr. Paul Conrow, Science Teacher, Rochester City School District, Rochester, NY

Mr. James VanKouwenberg, Technical Consultant, Optimax Systems Incorporated, Ontario, New York

Mr. Logan Newman, Science Teacher, East High School, Rochester, NY James VanKouwenberg

#### Preparing a Globally Competent Workforce: Resources and Strategies

During this engaging and participatory session, participants will learn about the importance of global competence to create a career ready workforce. Strategies for making the case in your state will be presented and resources available to teachers interested in adding a global perspective to CTE classrooms will be shared.

Mrs. Heather Singmaster, Senior Program Officer, Asia Society, Portland, OR

Ms. Jennifer Manise, Executive Director, Longview Foundation, Falls Church, VA

#### reVISION - Establishing a Clear Vision for Nebraska Career Education

The reVISION process provides Nebraska schools with the opportunity to analyze and transform their current career education systems in order to improve their ability to educate a qualified workforce that meets industry needs within an ever-changing economy. Working in collaboration with postsecondary education and regional workforce/economic development leaders, the reVISION process links career educators, school administrators, guidance counselors, and industry professionals. Learn how Nebraska Career Education, in collaboration with the Educational Service Units, Partnerships for Innovation, Nebraska Community Colleges, and the Departments of Economic Development and Labor have engaged in a strategic approach for schools to analyze their current career education system and make plans, as needed, for adjustments.

Gregg Christensen, Entrepreneurship and Career Education Specialist-Nebraska Career Education, Lincoln, NE