

# Achieving Excellence in Career Technical Education

The National Career Clusters Institute  
June 16-18, 2014 | Phoenix, AZ

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## Transportation options

Directions from Pointe Hilton Tapatio Cliffs Resort to Sky Harbor Airport:

- Start out going north on N 7th St toward E Thunderbird Rd. (go 0.43 miles)
- Turn right onto E Thunderbird Rd.
  - Aiello's Salumeria is on the corner
  - If you reach E Joan D Arcade Ave you've gone a little too far (go 1.77 miles)
- E Thunderbird Rd becomes E Cactus Rd. (go 1.56 miles)
- Merge onto AZ-51 S/Piestewa Fwy S. (go 10.07 miles)
- Merge onto I-10 E/Pearl Harbor Memorial Highway/Papago Fwy E. (go 1.57 miles)
- Take EXIT 149 toward Sky Harbor. (go 0.46 miles)
- Merge onto E Sky Harbor Blvd. (go 0.6 miles)
- Take E Sky Harbor Blvd toward Terminals/3/4. (go 0.02 miles)
- Keep right at the fork to continue on E Sky Harbor Blvd. (go 1.16 miles)
- 3400 E Sky Harbor Blvd

## ExecuCar Transportation Services

ExecuCar, the resort's preferred car service, is a private black car service that offers luxury transportation at special fares offered to resort guests. Advance reservations from the airport are suggested and can be confirmed by contacting [www.execucar.com](http://www.execucar.com) or 800-410-4444. Without advance reservations you may request a vehicle upon arrival by calling ExecuCar Dispatch at 602-232-4606. Service is based on availability.

Airport transfer fares are \$42.00 per sedan per direction (to or from the airport); \*SUVs available for a \$20.00 sur fee (prices subject to change).

## Dining Options at the Pointe Hilton

**Different Pointe of View Restaurant:** Different Pointe of View offers cutting-edge American cuisine coupled with a distinctive Mediterranean influence. Patrons feel as though they are literally dining on top of the world with a panoramic view of Phoenix and the North Phoenix Mountain Preserves. Hours of operation: Tuesday - Thursday 6 p.m. - 9:30 p.m., Friday 6 p.m. - 10 p.m., Saturday 5 p.m. - 10 p.m., Sunday & Monday 6 p.m. - 9:30 p.m.

**Pointe in Tyme Grill:** A favorite among guests and locals alike, you can choose from steak favorites enhanced with homemade marinades and rubs, seasonal entrées and succulent seafood dishes in a warm and inviting atmosphere. Hours of operation: Monday - Thursdays 6:30 a.m. - 10 p.m., Friday 6:30 a.m. - 11 p.m., Saturday 7 a.m. - 11 p.m., Sunday 7 a.m. - 10 p.m.

**Cascades Café:** Indulge in light outdoor dining and cool cocktails while you gaze out over the flowing falls and water features of Falls Water Village. Hours of operation: 10 a.m. - 5 p.m., 7 days a week.

## Parking Information:

- Self-parking: Yes
- Complimentary parking
- In/Out privileges: Yes

## SuperShuttle:

SuperShuttle service is available from the Pointe Hilton Tapatio Pheonix Sky Harbor Airport.

Visit: [www.supershuttle.com/PHXAirportShuttlePheonix.aspx](http://www.supershuttle.com/PHXAirportShuttlePheonix.aspx) or call: 602-232-4610.

## Session Tag Descriptions

Look for these tags beside session descriptions to identify the sessions that best fit your needs!

**PROGRAMS OF STUDY** - Exemplary CTE programs of study (aligned to the Rigorous Program of Study Framework)

**COMMON CORE** - Integration of the Common Core State Standards or Next Generation Science Standards into CTE instruction

**COUNSELING** - Career guidance/advisement

**DATA** - Leveraging data to inform instruction, program evaluation and/or program development

**PARTNERSHIPS** - Effective strategies for building and sustaining business-education partnerships

**OUTREACH** - Communications and advocacy strategies in support of high-quality CTE

**POLICY** - Highly-effective state policy, guidance or programs that have successfully fostered excellence in CTE

## Evaluations

Your evaluation of the Achieving Excellence Institute is critical to planning future events. Please be sure to complete the overall event evaluation online; event evaluations link will be emailed within two days of event conclusion.

## Help and General Information

Got a question? Visit the registration desk during posted hours.

## Internet Access

Complimentary internet service in guest rooms is included in your registration.

## Internet Access in Meeting Area

Meeting attendees may also access a shared meeting connection in the Grande Ballroom. Please refrain from downloading on this shared network to increase bandwidth available to other guests.

**Network:** HMeetings

**Password:** CC12014

## Continuing Education Units

Offered again this year, the Achieving Excellence Institute is again offering attendees the opportunity to earn continuing education units (CEUs) 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 Technical Education. More details on page 6.

## Lost and Found

All articles will be held at the registration desk.

## Meals Provided

Achieving Excellence Institute registration fees include the following:

**Monday, June 16, 2014:** Light hors d'oeuvres reception  
5:30 p.m. – 6:30 p.m.

**Tuesday, June 17, 2014:** Continental breakfast  
7:30 a.m. – 8:30 a.m. and Lunch 12:15 p.m. – 1:15 p.m.

**Wednesday, June 18, 2014:** Continental breakfast  
7:30 a.m. – 8:15 a.m.

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

## Name Badges

Name badges are required at all Achieving Excellence Institute sessions meals, tours and sessions. Lost name badges can be replaced at the registration desk.

## Registration Desk Hours

### East Registration - Grande Ballroom

The registration desk hours are as follows:

Sunday, June 15, 2014: 8 a.m. – 8 p.m.

Monday, June 16, 2014: 7:30 a.m. – 5 p.m.

Tuesday, June 17, 2014: 7:30 a.m. – 5 p.m.

Wednesday, June 18, 2014: 7:30 a.m. – 1:30 p.m.

## Sponsor Showcase

### Grande Ballroom Foyer

Sponsor tables are set up during the following hours:

Monday, June 16, 2014: 11 a.m. – 5 p.m.

Tuesday, June 17, 2014: 7:30 a.m. – 5 p.m.

## Certificate of Attendance

Do you need a certificate of attendance for the Achieving Excellence Institute? Stop by the registration desk to find out how to receive your certificate.

## 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 Achieving Excellence 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/NCTEF and its employees and agents from any claims, damages or liability.

## Twitter

Share your story and provide feedback on your favorite sessions via Twitter! Tweet @cteworks with #careerclusters to join the social media conversation.

## Speaker Slides & Materials

Presentations and other meeting materials will be available on <http://www.careertech.org/> within one week of event conclusion.

### Continuing Education Units:

# Earn Professional Development Credits

The Achieving Excellence 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 practices taking place with Career Technical Education (CTE).

The Achieving Excellence Institute, accredited by the Delphi Center for Teaching and Learning at the University of Louisville, is pleased to offer up to 12 hours of CEU earning potential. One hour of attendance is equivalent to 1/10th of a unit. The maximum possible units earned will be 1.2 units, which include requisite attendance at the three general sessions. If you also attend pre-sessions, those hours are in addition to the Achieving Excellence Institute hour potential. Attendees who take advantage of this opportunity only need to pay a \$50 flat fee to participate with the ability to earn the maximum units available.

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

#### Step 1:

Pick up the forms – when you arrive at the Achieving Excellence Institute, visit the registration desk to pick up the CEU Accreditation paperwork. Hold on to these documents throughout your stay.

#### Step 2:

Collect signatures of lead speaker at breakout sessions – Each breakout you attend will be an opportunity for you to earn CEUs. Collect speaker signatures for every breakout you attend. This step will verify your participation and is required for receiving credit.

#### Step 3:

Turn in the paperwork and payment – You will have six weeks after the Achieving Excellence Institute to submit your paperwork to the Delphi Center. Include your \$50 flat fee. You can submit payment via check or credit card. Call the Delphi Center for details at 502-852-5636.

Send form and check to:

Mary Ellen Burke  
Delphi Center for Teaching and Learning  
University of Louisville  
Shelby Campus, 114 Burhans Hall  
Louisville, KY 40292

Questions? Contact Mary Ellen Burke at [meburk01@louisville.edu](mailto:meburk01@louisville.edu).

#### Step 4:

Receive your certificate!



Welcome to the 2014 *Achieving Excellence in CTE: The National Career Clusters Institute* and to Phoenix, Arizona! As president of the National Career Technical Education Foundation and our partner organization, the National Association of State Directors of Career Technical Education Consortium, I want to thank you for joining us.

We are excited to invite state and local secondary and postsecondary educators, administrators and leaders, as well as workforce and economic development partners to join us at the premier Career Technical Education (CTE) professional development event of the year.

The Achieving Excellence Institute includes engaging hands-on workshops and interactive breakout sessions offering new perspectives and techniques on cultivating high-quality CTE in your school, district, and state. Besides robust breakout sessions, you can:



- Hear from our **Excellence in Action Award Winners** who were selected for exemplary performance in the implementation of a Career Cluster-related program of study.
- On Wednesday, June 18, 2014 get to experience **excellence in action hands-on** by visiting business and educational institutions at the cutting edge of CTE.
- Attend **pre-sessions** that provide a deeper look at topics affecting how you deliver high-quality CTE today.

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

Our goal of *Achieving Excellence* is designed to fulfill a CTE promise – to prepare students for success in both career and college, by employing the National Career Clusters® Framework to ensure seamless delivery of instruction through rigorous programs of study.

Please visit [www.careertech.org](http://www.careertech.org) to learn more about how CTE is leading change, transforming expectations for students at all levels, partnering with business and industry—paving the way for student success.

Sincerely,

**John Fischer, President**

National Career Technical Education Foundation  
National Association of State Directors of Career Technical Education Consortium



Welcome to the 2014 *Achieving Excellence in CTE: The National Career Clusters Institute* and to the home of the Southwest Pride, Phoenix, Arizona! As State Director of Career and Technical Education I want to thank you for being a part of this institute.

Arizona is a state where warm sunshine and cool culture co-exist with the Phoenix metropolitan area at its heart. It is a haven of relaxing resorts, award-winning golf courses, restaurants, shopping, nightlife, big-league sporting events, renowned museums, and outdoor recreation. The greater Phoenix area's prospering business community attracts thousands of new residents and entrepreneurs annually. With over 76,000 employers in the Valley of the Sun and major corporations calling the region home; careers in bioscience and technology fields are on an upward trend as is continued growth in entrepreneurial ventures.

This is an exciting time for CTE. This is a time when local, state, national, and international initiatives are in the forefront, interweaving skill attainment in both technical skills and core academics, leading to a variety of workplace opportunities. Business leaders in Arizona are invested in doing their part to make Career and Technical Education add so much value to the lives of its citizens and the state's economy that every parent and student will consider it an indispensable part of a quality comprehensive education.

Historically vocational education has been known as the path of students who "couldn't make it" in "real education". In an effort to change this damaging concept, education swung too far in the other direction with the philosophy that every child should go to college. This has resulted in unrealistic expectations and higher high school dropout rates – with most high school graduates lacking the fundamental skills needed for today's twenty-first century work environment.

Arizona and other states are making positive in-roads in the area of providing viable, cutting edge opportunities to a diverse population of students. The old notions of vocational education or mandatory college education for every student have been challenged. New pathways are emerging. Career and Technical Education is developing training programs, often in partnership with local businesses, which can lead to jobs or recognized certification, thus opening opportunities for economic independence. Leaders across our nation are working together to reach the National Association of State Directors of Career Technical Education Consortium's vision and guiding principles:

Reflect, Transform, Lead: A New Vision for Career Technical Education

- CTE is critical to ensuring that the United States leads in global competitiveness.
- CTE actively partners with employers to design and provide high-quality, dynamic programs.
- CTE prepares students to succeed in further education and careers.
- CTE is delivered through comprehensive programs of study aligned to The National Career Clusters Framework.
- CTE is a results-driven system that demonstrates a positive return on investment.

This is an exciting time for students to create pathways to prosperity.

**Dan Brown, Deputy Associate Superintendent**

Career & Technical Education/School Improvement & Intervention  
Arizona Department of Education



STATE OF ARIZONA

JANICE K. BREWER  
GOVERNOR

EXECUTIVE OFFICE

June 2014

Welcome!

As Governor of the State of Arizona, it is my pleasure to welcome you to Phoenix and to The Career Clusters Institute hosted by the National Career Technical Education Foundation.

The Achieving Excellence Institute will expose a national audience to Arizona's outstanding examples of Career Technical Education (CTE) in practice during this year's meeting. Over the next few days, you will have the opportunity to participate in hands-on workshops and interactive break-out sessions. I trust you will expand your knowledge of CTE through discussions on new perspectives and techniques on cultivating high quality CTE in our schools.

Career Technical Education touches the lives of more than 12 million students across the country, and nearly 250,000 of Arizona's secondary and postsecondary students participate in Career Technical Education programs each year. The State of Arizona has deemed it the mission of Career Technical Education in our state to prepare students for workforce success and continuous learning. I encourage you to explore the community value of Career Technical Education in your state as well.

Once again, welcome, and best wishes for a productive meeting!

Sincerely,

A handwritten signature in cursive script that reads "Janice K. Brewer".

Janice K. Brewer  
Governor

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## Registration/Help Desk

East Registration Grande Ballroom

8 a.m. – 8 p.m.

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## Pre-Sessions

### *Pre-registration required*

NASDCTEc/NCTEF and CORD are proud to host a series of pre-sessions aligned with The Career Pathways Effect book. These are fee-based pre-sessions and require pre-registration. If you are interested in one of these pre-sessions and did not register in advance, please check with the registration desk to see if there is any availability.

The sponsor/vendor-hosted pre-sessions are complimentary and do not require pre-registration.

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## Grande Ballroom A

### Teaching for Success

Sunday, June 15, 2014, 9 a.m. - 4 p.m.

Fee: \$250

This workshop is designed to support teachers in their role as learning facilitators within a career pathways system. Topics are centered on evidence-based practices that promote student engagement and the application and transfer of knowledge. Topics include 21st century teaching and learning challenges, brain-based learning research, connecting knowledge and application, contextual teaching and learning strategies, teacher effectiveness, support systems, role of business and industry, case studies and recommendations for success.

## Grande Ballroom B

### Counseling for Success

Sunday, June 15, 2014, 9 a.m. - 4 p.m.

Fee: \$250

A career pathways system requires a progressive counseling system beginning in early childhood and continuing through adulthood. This workshop is designed to support educators and career/academic counselors in their role in providing guidance with a student's educational and career pathway. Workshop topics include career guidance theory, career guidance tools (assessment, databases, technology), career guidance support, role of career counselors in programs of study, counselors as the lynch-pin and facilitator and individual learning plans.

## Grande Ballroom C

### Partnership Opportunities

Sunday, June 15, 2014, 9 a.m. - 4 p.m.

Fee: \$250

A career pathways system requires multiple partnerships within a community. This in-depth, full-day workshop will immerse participants in the world of partnerships. Workshop topics include partnership advantages, partner identification, goal setting, model structures, partner roles and responsibilities, action plan development and partnership management – operating and sustaining. Participants in the full-day workshop will actually develop a plan for implementation at the local level.

## Grande Ballroom D

### Purpose-Driven Career Development For Implementing a Model that Works

#### *Vendor Session*

Sunday, June 15, 2014, 1 p.m. - 4:30 p.m.

Fee: complimentary

This pre-conference workshop will teach attendees about theoretical and practical approaches to career developments that are proven effective for student success. Learn about innovative career development models from Kuder, Inc., an industry pioneer that has continued to deliver reliable, evidence-based education planning and career guidance solutions for over 75 years. Kuder's knowledge and expertise can guide you in implementing an ideal career development model that increases academic performance as well as transition, retention, and graduation rates. The pre-session is hosted by Kuder, Inc.

## Grande Ballroom E

### Statewide Implementation of Certification - CTE Success Stories

#### *Vendor Session*

Sunday, June 15, 2014, 1:30 p.m. – 2:30 p.m.

Fee: complimentary

Come learn how other Career Technical Education leaders have successfully implemented industry certification programs like the Microsoft Office Specialist (MOS) or the Adobe Certified Associate (ACA) in partnership with Certiport. Learn about the larger return on investment realized when these programs are implemented, from financial savings to students/families, to proven longitudinal metrics showing significant academic re-engagement by students involved in these programs! Aaron Osmond, State Senator from Utah and Vice President of North America for Certiport will be presenting this session.

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## Registration/Help Desk

East Registration Grande Ballroom

7:30 a.m. – 5 p.m.

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## Pre-Sessions

### *Pre-registration required*

NASDCTEc/NCTEF and CORD are proud to host a series of pre-sessions aligned with *The Career Pathways Effect* book. These are fee-based pre-sessions and require pre-registration. If you are interested in one of these pre-sessions and did not register in advance, please check with the registration desk to see if there is any availability.

The sponsor/vendor-hosted pre-sessions are complimentary and do not require pre-registration.

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## Grande Ballroom C

### Four Ways to Improve CTE

#### *Vendor Session*

Monday, June 16, 2014, 8:30 a.m. – 11:30 a.m.

Fee: complimentary

Career Technical Education (CTE) has become somewhat of a media darling in the last few years. Some in the media and general public are starting to realize how important CTE is to the economic growth of the United States. We need to capitalize on this attention and seek ways to expand CTE further. Attend this session to learn four things that will help CTE stay in the limelight! NOCTI facilitators will share relevant information about data-driven instructional improvement, college credit for CTE students, industry credentials, and open digital badges. Each participant will receive a \$100 voucher for NOCTI pre-tests for the 2014-15 school year. The pre-session is hosted by NOCTI.

## Grande Ballroom E

### The Semantics of Common Core - The Devil is in the Details

#### *Vendor Session*

Monday, June 16, 2014, 9 a.m. – 10:30 a.m.

Fee: complimentary

Common Core is viewed as an objective, a process, a means of educational control, a national conspiracy, and a basis for teacher evaluations. This session will list the basic sources of information, and take a look at the costs of execution, e.g. matching Common Core, testing, and teacher development. Discussion will be encouraged. The pre-session is hosted by Today's Class, a sponsor, and there is no charge to registrants to attend this pre-session. This session does not include a copy of *The Career Pathways Effect*.

## Grande Ballroom A

### Career Pathways Overview

Monday, June 16, 2014, 8:30 a.m. – 11:30 a.m.

Fee: \$125

An introductory workshop designed to be the catalyst for the development and implementation of a career pathways system, the workshop is based on the Department of Education Office of Career Technical and Adult Education's (OCTAE) Programs of Study (POS) Framework. Topics include legislation and policies, partnerships, professional development, accountability and evaluation systems, college and career readiness standards, course sequences, credit transfer agreements, guidance counseling and academic advisement, teaching and learning strategies, and technical skills assessments.

## Grande Ballroom B

### Building Programs of Study

Monday, June 16, 2014, 8:30 a.m. – 11:30 a.m.

Fee: \$125

Course sequences are the foundation of programs of study. This workshop will include the overview and the steps for the development of a draft program of study (POS). Topics include the POS design process, equipping your toolbox with the nuts and bolts of career pathways (Career Clusters, Rigorous Programs of Study Framework), delivery system models (dual enrollment, middle college, apprenticeships), implementation plan development, case-studies, communication strategies, technical skill attainment/evaluation and capacity analysis.

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## Sponsor Showcase

Grande Ballroom Foyer

11 a.m. – 5 p.m.

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## Opening General Session

Grande Ballroom G/H/I/J

1 p.m. – 2:30 p.m.

The Achieving Excellence Institute will begin with a welcome from NASDCTE/NCTEF President John Fischer and opening remarks from Arizona CTE State Director Dan Brown.

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## Excellence in Action Award Presentations

We are pleased to recognize the following recipients of the Excellence in Action Award:

- Jack E. Singley School of Law and Public Service, TX
- Innovation Academy for Engineering, Environmental & Marine Science, Foy H. Moody High School, Corpus Christi, TX
- Bollman Technical Education Center, Medical Sciences Program, Thornton, CO
- Computer Information Technology, Tennessee College of Applied Technology - Shelbyville, TN
- Carpentry Program, Tolsia High School, Stonewall, WV
- Union County Academy for Performing Arts, Academy for Allied Health Sciences, Scotch Plains, NJ

The Excellence in Action Award recognizes and honors superior Career Technical Education (CTE) programs from around the nation. Programs chosen exemplify excellence in the implementation of the tenets outlined in Reflect, Transform, Lead: A Vision for Career Technical Education by integrating rigorous and comprehensive programs of study with deep, meaningful business and community partnerships and well-developed program standards, resulting in outstanding student achievement.

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## Session A: Concurrent Breakouts

2:45 p.m. – 3:45 p.m.

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### Grande Ballroom B

#### The CTE Trifecta: Integrating the Common Core and 21st Century Employability Skills with CTE Technical Standards

Developing standards that integrate the Common Core State Standards as well as technical standards that entail high-quality CTE is a difficult task facing many states and educators today. In this session, participants will learn how CTE teachers from Chicago Public Schools integrate three standards sets to create performance assessments, rubrics and lessons.

#### COMMON CORE

**Ms. Sarah Rudofsky**, Curriculum and Instructional Support Specialist, Chicago Public Schools, Chicago, IL

### Courtroom O

#### Who is Where? Analysis of National and State Career Cluster Data to Determine Equity Trends in Employment Preparation

With the Perkins Act reauthorization on the horizon, analysis of national and state career cluster data can help inform practitioners and policy makers of CTE's role in preparing students for high-skill, high-wage, and high-demand careers. This session will explore data trends to answer the question "who is where?" as it pertains to labor market needs and CTE programs that can help to fill them.

#### DATA

**Ms. Mimi Lufkin**, CEO, National Alliance for Partnerships in Equity (NAPE), Cochranville, PA

### Grande Ballroom C

#### Embedded EdTech Professional Development Program

This session will explore Stone Ridge School's embedded professional development model, in which faculty meet in small groups with an educational technologist once a week for 30 minutes. Participants will learn how the model engages teachers in edtech discussions, facilitates integration of technology at every classroom level and creates a culture of collaboration, as well as how they can apply the model to their own schools and programs.

#### DATA

**Ms. Urvi Shah**, Director of Educational Technology and Innovation, Stone Ridge School, Bethesda, MD

**44 Grande Ballroom F**

**Nine Degrees of Connection: Strategies for Business/Education Collaboration**

Engaged private sector partners can help CTE programs to cope with tight budgets and high expectations, but too many CTE programs are missing opportunities by limiting the ways in which they work with business, industry and community stakeholders. In this session, attendees will hear from the authors of the new ACTE book, "Building Advisory Boards That Matter," on how partners can go beyond volunteering and donations to learn about the wide range of partnership models that are bringing support – and results – to schools across the country, offering practical planning and collaboration tools to implement more effective partnerships and advisory boards.

**PARTNERSHIPS**

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

**45 Grande Ballroom A**

**Illinois Transitions Academy**

Transitioning is essential for success in CTE, especially given the increased focus on integrating CTE curricula with adult education. This session will provide an overview of the Illinois Transitions Academy's work to assist colleges developing bridge and Integrated Career and Academic Preparation System (ICAPS) programs, centering on increasing awareness of the expanding partnership between adult education and CTE as it relates to the ICAPS model, Accelerating Opportunity, Illinois Bridge programs, and Illinois programs of study.

**PROGRAMS OF STUDY PARTNERSHIPS OUTREACH**

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

**46 Courtroom L**

**CyberPatriot: The National Youth Cyber Education Program**

CyberPatriot, the National Youth Cyber Education Program, is designed to address the lack of STEM engagement among today's students. Through a cyber defense competition for high school and middle school students, CyberCamps, and an elementary school cyber education initiative, CyberPatriot has created a fun and exciting way to motivate students toward careers in STEM disciplines. In this session, attendees will learn the basis for the program, requirements for participation and the high value cybersecurity presents as a CTE field.

**PROGRAMS OF STUDY PARTNERSHIPS**

**Brig Gen. USAF (Ret) Bernard K. Skoch**, CyberPatriot National Commissioner, Air Force Association, Arlington, VA

**47 Grande Ballroom D**

**Technology Life Careers - Junior High CTE**

Peoria Unified School District's Technology Life Careers (TLC) program is an essential part of transitioning to high school and providing students connections to their program of study. The concepts of organizing a junior high CTE program will be discussed and shared.

**PROGRAMS OF STUDY POLICY**

**Dr. Patti Beltram**, Director, CTE, Peoria Unified School District, Glendale, AZ

**Mrs. Kitty Robinson**, CTE Program Coordinator, Peoria Unified School District, Glendale, AZ

**48 Courtroom K**

**Aviation Academy**

Denbigh High School Aviation Academy, a recognized science, technology, engineering and mathematics (STEM) site, is a specialized four-year program to prepare highly motivated and successful high school students for a rewarding and well-paying career in engineering, aviation, electronics and technology with an emphasis on aerospace, piloting and mechanics. The Aviation Academy has partnered with the Eagle's Nest Foundation, a 501(c)(3) to give their students hands-on

experience constructing a plane. This session will explain the development of this unique partnership from its inception to the present, and how it is STEM-ulating the program to make students college-, career- and citizen-ready.

**PROGRAMS OF STUDY** **PARTNERSHIPS**

**Dr. Aaron Smith**, Program Director, Newport News Public Schools, Newport News, VA

**49 Grande Ballroom E**

**Successful Strategies: Problem-Based Learning**

This presentation will focus on how CTE educators can use problem based learning strategies that are based on common core standards to drive the development of business education partnerships in the private and public sectors. The presenters will show how these strategies can be successfully replicated by CTE educators.

**PROGRAMS OF STUDY** **COMMON CORE** **PARTNERSHIPS**

**Mr. John Schwan**, Business Instructor, Maine East High School, Park Ridge, IL

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**Session B: Concurrent Breakouts featuring Excellence in Action Award Winners**

4 p.m. – 5 p.m.

Following the formal presentation of our inaugural Excellence in Action Awards, representatives from each institution will lead discussion sessions describing their exceptional programs of study, innovative new practices and (time permitting) hold a Q & A with session attendees. Guests may choose to attend any of the award winners' sessions prior to rejoining all six at the winners' reception (see p. 17).

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**81 Grande Ballroom A**

**Jack E. Singley School of Law and Public Service, Irving, TX**

The School of Law and Public Service seeks to serve as a premier national center for academic excellence, providing the highest quality educational experiences that ensure honor and success for students who choose life-long careers serving their communities. Success of the programs depends on the development and implementation of a flexible and anticipatory curriculum, broad-based partnerships, developing professional and interpersonal skills necessary for success in the fields of Law, Law Enforcement, Fire Science, and Homeland Security. The school serves as a "career incubator" which allows students to explore, practice and apply skills and knowledge in a variety of public service occupations.

Partnering with the Irving Police Department and Dallas County Court System, the school leveraged its partnerships into relevant work-based learning opportunities for students, such as its nationally recognized "jail internship" allowing students to work in the Irving City Jail in a variety of settings that did not require direct contact with inmates.

Career Cluster represented: Law, Public Safety, Corrections and Security

Application submitted by Ms. Shawn Blessing, Director, Career and Technical Education, Irving Independent School District (ISD), Irving, TX.

**PROGRAMS OF STUDY** **PARTNERSHIPS**

**PRESENTERS:**

**Ms. Shawn Blessing**, Director CTE, Irving ISD, Irving, TX

**Mr. David Saenz**, Principal Jack Singley Academy, Irving ISD, Irving, TX

**Mr. Jeff Spivey**, Assistant Chief of Police, Administrative Services Bureau, City of Irving, Irving, TX

**Mr. Haim Vasquez**, Assistant District Attorney, Community Prosecution Unit, Hispanic Community Liaison, Dallas County District Attorney's Office, Dallas, TX

**Ms. Marilyn Lynch**, Associate Vice President Development, Brookhaven College, Farmers Branch, TX

**Mrs. Lisa Castillo**, Assistant Principal, Jack Singley Academy, Irving ISD, Irving, TX

**Ms. Katie Pascoe**, Law Instructor, Jack Singley Academy, Irving ISD, Irving, TX

**Mr. Justin Harper**, Law Enforcement Instructor, Jack Singley Academy, Irving ISD, Irving, TX

**82 Grande Ballroom F**

**Innovation Academy for Engineering, Environmental, and Marine Science, Foy H. Moody High School, Corpus Christi, TX**

The Innovation Academy is a magnet program centered on STEM study, and is one of only fifty-six T-STEM Academies in the State of Texas. The Innovation Academy serves Moody High School students, as well as students from across the Corpus Christi ISD attendance zone.

The Innovation Academy program of study is supported through campus, district and business partnership support. It primarily targets students from low-income and minority demographics who are accepted through a lottery system not tied to academic achievement. The students follow a program of study that, depending on their pathway, can include pre-AP, AP, dual credit and articulated college credit courses in a wide variety of fields. In addition, they must take specific engineering, science, and math electives that support a college STEM pathway and

complete a Senior Capstone in Engineering Project. Students graduate with up to 30+ hours of college course credit and have received scholarships from many universities across the nation which include but are not limited to MIT, Stanford, University of Texas, Texas A&M, and US Naval Academy.

The academy continues to grow, especially in non-traditional enrollment, with a proportional increase in female applicants in recent years. In encouraging a pathway to postsecondary achievement in a part of Corpus Christi where few students grow up envision college in their future, it has served as a gateway out of poverty for many graduates.

Career Cluster represented: Science, Technology, Engineering & Mathematics

Application submitted by Dr. Sandra Clement, Principal, Foy H. Moody High School, Corpus Christi, TX.

**PROGRAMS OF STUDY** **PARTNERSHIPS**

**PRESENTERS:**

**Mr. Jason James**, Teacher, Innovation Academy, Foy H. Moody High School, Corpus Christi, TX

**Mr. Jaime Trevino**, Teacher, Innovation Academy, Foy H. Moody High School, Corpus Christi, TX

**Dr. Gloria Bilaye-Benibo**, Dean of STEM Academy Instruction, Foy H. Moody High School, Corpus Christi, TX

**B3 Grande Ballroom E**

**Bollman Technical Education Center Medical Sciences Program, Thornton, CO**

The Bollman Center applies an innovative set of programs designed to provide students with preparation, training and work experience in a variety of medical occupations. Successful completion of either Medical Sciences II courses in this program equips students with the skills and knowledge to be gainfully employed in the medical field upon graduation.

Although program development began in 1996 when there were no formal Career Clusters widely used, the program remained in place until 2004 when Colorado adopted clusters designed to formalize the instruction of CTE. Beginning without a clusters framework to guide it, the program was initially based on input from the Adams County Economic Development Board,



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**2014**

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state and local trends and industry employment needs, later integrating the Anschutz Medical Campus to determine how best to meet workforce needs. To date, the Bollman program retains ties to community and business groups to inform its program development, even after incorporating career pathway knowledge and skills into its Medical Sciences program.

Application submitted by Mrs. Mary Flurkey RN, BSN, Medical Sciences 1 Program Chair, Instructor, Advisor, Thornton, CO

**PROGRAMS OF STUDY** **PARTNERSHIPS**

**PRESENTERS:**

**Mrs. Janet Renden**, Director, Career and Technical Education, Principal, Bollman Technical Education Center, Thornton, CO

**Mrs. Mary Flurkey**, BSN, RN, Medical Sciences Program Chair, Instructor, Bollman Technical Education Center, Thornton, CO

**B4 Grande Ballroom B**

**Computer Information Technology, Tennessee College of Applied Technology, Shelbyville, TN**

The Computer Information Technology (CIT) program serves a seven-county area in Middle Tennessee. As an advanced workforce development program, it teaches information technology and security. The CIT program at Tennessee College of Applied Technology (TCAT) Shelbyville emphasizes post-program student success, and boasts an average placement rate of 90% with a 96% retention rate. CIT program is accredited

under the Council of Occupational Education and uses an advisory committee consisting of manufacturing, logistics, retail, customer service, health services and government stakeholders to ensure that the curriculum evolves with the technological needs of businesses.

The program offers six diplomas, eight certificates and up to nine national certifications through partnerships with Microsoft, CompTIA, and CWNP. Students study 30 hours weekly in the classroom with 50% of that time using hands-on and working on live work orders and serving the community. The program also offers a national technical blog and a comprehensive Learning Management System (LMS) with over 2000 resources.

The program won: 2005 TCATs Shining Star Award - Computer Forensics, 2011 Computer World Laureate Honors Program-best LMS, 2012 TechTarget Mid-Market Award-Customer Service and Integration, 2013 TCATs Shining Star Award - Learning Management System.

Career Cluster represented: Information Technology

Application submitted by Steve Mallard, MCT, CEI, CEH, CNDA, Microsoft Certified Learning Consultant, IT Manager - CIT Sr. Instructor, Shelbyville, TN

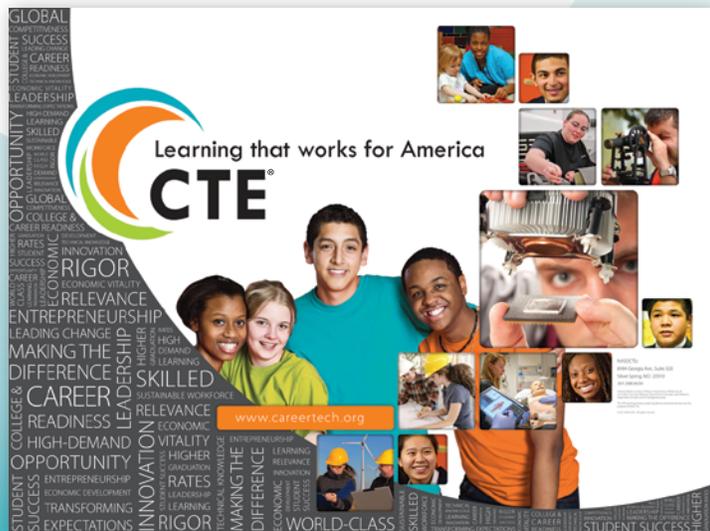
**PROGRAMS OF STUDY** **PARTNERSHIPS**

**PRESENTER:**

**Ms. Kate Jacobs**, Instructor, Computer Innovation Technology, Tennessee College of Applied Technology, Shelbyville, TN



# 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](http://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

**B5 Grande Ballroom C****Tolsia High School Carpentry Program,  
Stonewall, WV**

The Tolsia High School Carpentry/Carpenter program offers a non-duplicative sequence of integrated academic and career-focused courses aligned with West Virginia's college and career readiness standards that result in students earning high school diplomas, industry-recognized certifications, and college credits. Students completing the Carpentry/Carpenter program of study earn 15 free college credit hours toward an AAS Engineering Design Technology Degree. Last year, it was immersed into the WB's simulated workplace initiative and transformed from a traditional CTE classroom into a rigorous, high-level, business related learning environment. As one student remarked, "Oh, I get it, you're not preparing us for the next four years, you're preparing us for the next forty years."

The original program of study was developed through a consortium comprised of secondary, postsecondary, and business/industry representatives who designed the pathway and curriculum. While the school remains responsive to the needs of the community, its curriculum design partner pool has broadened, incorporating the Career Cluster knowledge and Skill Statements, DACUM processes, and O\*Net. The POS was also reviewed for alignment to the CTE Common Technical Core that was recently adopted by WV. Last fall, the POS became an integral part of the WV simulated workplace initiative and early results are showing a positive impact on program outcomes.

Career Cluster represented: Architecture & Construction

Application submitted by Mr. Hugh Roberts, Carpentry Teacher/CTE Coach/CTE TIS, Tolsia High School, Glen Hayes, WV

**PROGRAMS OF STUDY PARTNERSHIPS****PRESENTERS:**

**Mr. Clinton Burch**, Coordinator, Office of CTE Accountability and Support, West Virginia Department of Education, Charleston, WV

**Mr. Hugh Roberts**, Carpentry Teacher, Tolsia High School, Glen Hayes, WV

**B6 Grande Ballroom D****Union County Academy for Performing Arts,  
Scotch Plains, NJ**

The Union County Academy for Performing Arts (APA) is an innovative four-year high school in which students spend their senior year at Kean University. Throughout the program, students are immersed in honors' level academics while training in theater or dance in a pre-professional artistic setting. APA focuses on cultivating the discipline, integrity and passion necessary for students to succeed at the post-secondary level and as members of the performing arts community.

Students at the Academy for Performing Arts have excelled, evidenced by 100% passage rate on the NJ Performing Arts Exit

Exam / Local Exam. Students have won statewide playwriting competitions and placed at state theater competitions and participated in competitions throughout the state and country before large crowds and with professional entertainers. Both the Dance and Theatre Arts programs of study were developed in partnership with the Director of Visual and Performing Arts for the State of New Jersey and are aligned to the State and National Standards. Industry professionals, advisory board members, as well as Kean University professors, routinely give feedback regularly to update and strengthen the program's curricula.

Career Cluster represented: Arts, A/V Technology & Communications

Application submitted by Dr. Scott Rubin, Principal, Academy for Performing Arts, Academy for Allied Health Sciences, Union County Vocational-Technical Schools, Scotch Plains, NJ

**PROGRAMS OF STUDY PARTNERSHIPS****PRESENTERS:**

**Ms. Holly Logue**, Professor and Administrative Executive, Department of Theatre, Kean University, Union, NJ

**Ms. Michele Mossay**, Managing Director, Academy for Performing Arts, Kean University, Union, NJ

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**Excellence in Action Reception  
Highland Center**

5:30 p.m. – 6:30 p.m.

Breakout sessions complete, guests and award winners will reconvene for a reception in the awardees' honor. Attendees can network with one another as well as meet face to face with awardees in this more relaxed setting. Light hors d'oeuvres will be served during the event.

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## Continental Breakfast

Highland Center

7:30 a.m. – 8:30 a.m.

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## Sponsor Showcase

Grande Ballroom Foyer

7:30 a.m. - 5 p.m.

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## Registration/Help Desk

East Registration Grande Ballroom

7:30 a.m. – 5 p.m.

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## Session C: Concurrent Breakouts

8:45 a.m. – 9:45 a.m.

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### Grande Ballroom E

#### CTE Technical Writing and the Common Core

Typical writing assignments at the secondary level entail responses to literature or reflections on a moment in history, but rarely relate to professional writing through technical and memo writing. This session will describe how to help prepare your students to be college and workplace literate by writing about technical projects and how the Common Core supports the practice of technical communication in the CTE arena. Participants will be presented with examples of writing projects that incorporate rigorous, challenging and relevant technical writing in the CTE classroom.

**PROGRAMS OF STUDY** | **COMMON CORE**

**Mrs. Carol Larkin**, Teacher/Practitioner, Mentor Public Schools, Lake Shore Compact, Lyndhurst, OH

### Grande Ballroom D

#### Integration of Common Core State Standards for Literacy

Tennessee CTE is leading the way in integrating the expectations of common core state standards for literacy across science, social studies, and technical subjects. This session explores examples of how the state has integrated CCSS into its CTE standards, conducted state-wide trainings of CTE teachers and developed lesson plans and writing prompts.

**COMMON CORE**

**Mrs. Casey Wrenn**, Director of Talent Improvement, CTE, Tennessee Department of Education, Nashville, TN

### Courtroom L

#### It CAN Be Done! One School's Journey to Success (101)

Success 101 is a dynamic freshman transition class that enables students to better prepare themselves for their future. This session offers a curriculum and instruction that prepares students to choose and complete the pathway best suited for their goals.

**PROGRAMS OF STUDY**

**Ms. Chris Foster**, Lead Teacher, Success 101, Derby High School, Derby, KS

### Courtroom K

#### NASDCTEc Session Case-Making/CTE Works

CTE students, educators and administrators are aware that CTE today is not, as is often said, “your father’s CTE” or “basically just shop class,” but the field still suffers from a major perception gap. Providing an updated view of what CTE is and why it is beneficial for students and society are the twin missions of CTE case-making and advocacy. In this interactive session, participants will learn to use everyday CTE stories to educate and persuade, to tailor their message to a target audience and to layer their persuasive communication to achieve maximum effect.

**OUTREACH**

**Mr. Evan Williamson**, Communications Associate, NASDCTEc/NCTEF, Silver Spring, MD

### Grande Ballroom C

#### Putting the Data to Work

Enhance your CTE Toolkit with ACTE’s recently released book: “Improving Instruction in CTE: Putting the Data to Work.” This interactive panel will review book content, focusing on research-based models of instructional improvement. Participants will also see examples of tools used in one of the case studies.

**DATA**

**Dr. Charles Gallagher**, CTE Director, Construction Trades, Santa Rita High School, Tucson, AZ

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

**Dr. Sandra Pritz**, Senior Consultant, NOCTI, Big Rapids, MI

### Grande Ballroom A

#### Back to the Basics of the Perkins Act

*This session will be repeated on Wednesday, June 18 at 10:30 a.m. in Grande Ballroom C.*

This session will detail one institution’s comparative look at the Carl D. Perkins Career and Technical Education Act and its focus on aligning resources to promote program priorities from

marketing to faculty professional development. It will present an easy-to-replicate cross-department, cross-disciplinary model that was used to establish an outcomes-based, aligned and data driven approach to prioritizing funding with a focus on utilizing data to make informed decisions. The session will also outline the development of a strategic plan which was used to establish campus-wide and program priorities and accountability measures with a focus on low-performing career programs. This interactive session will provide attendees the opportunity to develop an institution specific graphic organizer to generate an action plan.

DATA POLICY

**Mr. Matt Simoneau**, Assistant Professor, Career and Technical Education, University of Wisconsin-Stout, St Louis Park, MN

**Ms. Sue Dion**, Instructional Designer, Faculty Development Inver Hills Community College, Inver Grove Heights, MN

### Grande Ballroom B

#### State-Wide Initiative that Aligns Education, Business/Industry, and Government

To close the skills gap and meet the increasing demand for employees with post-secondary credentials/degrees, Kansas educational agencies, business/industry, and government are working together to align high-quality CTE curriculum, policy, and practice. Topics addressed in this session will include Kansas Senate Bill 155, a transformational piece of legislation that has moved the CTE needle in a very short period of time, a credential incentive program for high-demand occupations, an academic/CTE integrated training program targeting math and science teachers, and rigorous programs of study.

PROGRAMS OF STUDY PARTNERSHIPS POLICY

**Mr. Jay Scott**, Assistant Director of CTE, Kansas State Department of Education, Topeka, KS

**Ms. Connie Beene**, Director of Federal Initiatives for Technical Education, Kansas Board of Regents, Topeka, KS

### Courtroom O

#### What Are They Doing In California?

California awarded \$250 million for expanding CTE pathways and regional business-education partnerships. The California Career Pathways Trust provides competitive grants of \$600,000 to \$15 million. Details about the grant, the variety of regional partnerships formed, and the innovative CTE pathways will be provided in this session.

PARTNERSHIPS POLICY

**Dr. Patrick Ainsworth**, Education Consultant, Patrick Ainsworth and Associates, Newcastle, CA

### Grande Ballroom F

#### Collaboration and Alignment In Arizona

This panel will feature Arizona leaders from across K-12, postsecondary, the statehouse and the private sector discussing how they have successfully collaborated and supported systems alignment to improve student transitions. What have been their major challenges? How have they overcome them? What can other state leaders learn from them as they build statewide strategies to align CTE and broader college- and career-ready policies?

PROGRAMS OF STUDY PARTNERSHIPS OUTREACH POLICY

**Ms. Cathleen Barton**, Education Manager, Intel Corporation, Chandler, AZ

**Mr. Dan Brown**, State CTE Director, Arizona Department of Education, Phoenix, AZ

**Ms. Rebecca Gau**, Executive Director, Stand for Children Arizona & Former Director of Innovation and Education, Office of the Governor of Arizona, Pheonix, AZ

**Ms. Maria Harper-Marinick**, Executive Vice Chancellor and Provost, Maricopa Community Colleges, Tempe, AZ

## Session D: Concurrent Breakouts

10 a.m. – 11 a.m.

### Grande Ballroom D

#### Career Clusters 101: The History and Impact of the National Career Clusters Framework

Career Clusters have played a major role in the organization and design of CTE programs over the past decade, with every state leveraging the National Career Clusters Framework in some capacity. Join a state and an industry leader discuss how the Career Clusters are being used in creative ways to align CTE and economic development priorities.

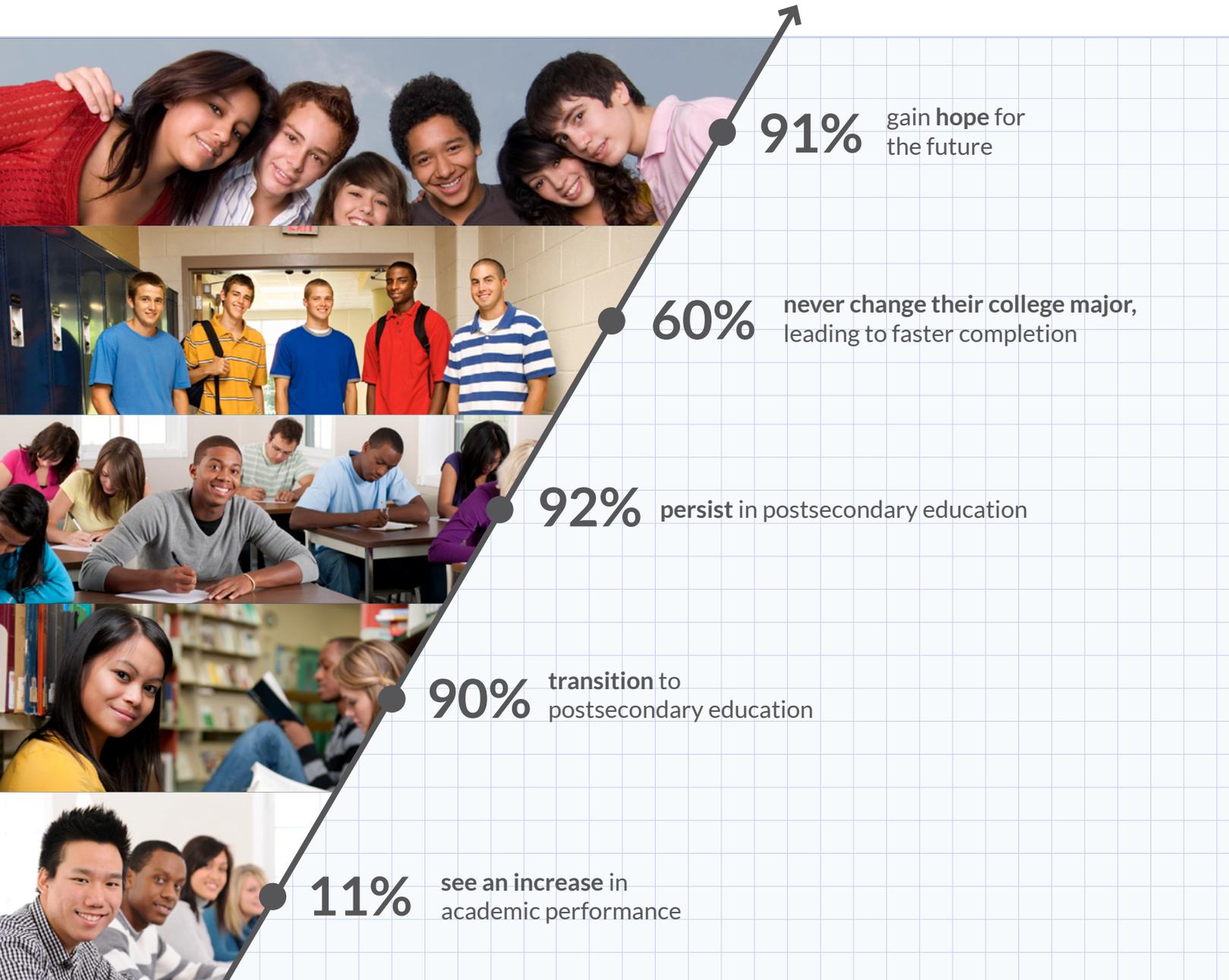
PROGRAMS OF STUDY DATA PARTNERSHIPS POLICY

**Mr. John Fischer**, State CTE Director, Vermont Agency of Education, Barre, VT

**Ms. Gretchen Koch**, Executive Director, Workforce Development Programs, CompTIA, Downers Grove, IL

# Achieving New Points of Excellence

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June 17, 2014 | 1:30 - 2:30 p.m.  
Courtroom O



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**D2 Courtroom O**

**What's New with SIRDC**

*This session will be repeated on Wednesday, June 18 at 9:15 a.m. in Grande Ballroom C.*

The Statewide Instructional Resources Development Center (SIRDC) is a Texas Education Agency 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 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](http://www.cte.sfasu.edu). Presentation will focus on newest projects and products.

**PROGRAMS OF STUDY**

**Ms. Sandra Delgado**, Associate Project Director, Statewide Instructional Resources Development Center, Stephen F. Austin State University, San Antonio, TX

**Dr. Linda Martin**, Director, School of Human Sciences, SFA Grant Project Investigator, Stephen F. Austin State University, San Antonio, TX

**D3 Grande Ballroom E**

**Integrating the Common Core into CTE programs**

*This session will be repeated on Wednesday, June 18 at 10:30 a.m. in Grande Ballroom B.*

This interactive session will focus on sharing processes to help participants think through how to integrate the Common Core into CTE programs, courses, curricula and pathways. The presenter will share experiences, resources and tools developed in collaboration with two state departments of education focusing integrating the Common Core into CTE.

**COMMON CORE**

**Ms. Beth Ratway**, Senior Consultant, American Institutes for Research, Madison, WI

**D4 Grande Ballroom C**

**The STEM Leadership Playbook**

At this presentation and workshop, Hans Meeder of NC3T will share findings from his new book, *The STEM Leader Guide*. Participants will learn to use a high-quality STEM curriculum to begin building a broader approach for STEM education that touches more students and links individual components of STEM education into a unified approach. The presentation and book are based on findings from the STEM Schools Project, which studied nine middle and high schools that were using the Project Lead the Way high school engineering and biomedical programs or the middle school Gateway to Technology program.

**PROGRAMS OF STUDY COMMON CORE COUNSELING OUTREACH**

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

**D5 Grande Ballroom B**

**Bayer and Austin Industrial Team Up in a Successful Business & Education Partnership**

Austin Industrial and Bayer Material Science's Adopt-a-School program with Goose Creek CISD built interest in the Gulf Coast's high-demand construction industry and expanded learning opportunities for educators and students, culminating in successful student internships and proven results. This session will review the program's successes and future.

**PARTNERSHIPS**

**Mrs. Renea Dillon**, Director, Career and Technical Education, Goose Creek Consolidated Independent School District, Baytown, TX

**Mr. Donnie McCoy**, Operations Manager, Austin Industrial, Deer Park, TX

**Mr. Lloyd Johnson**, Maintenance Management, Lead Bayer Material Science, LLC, Sante Fe, TX

**D6 Courtroom L**

**World Class CTE in Texas**

Successful Career and Technical Education (CTE) programs provide innovative experiences for students. World Class CTE integrates core curriculum, leverage business and industry partners, creates pathways to higher education, and ensure all students are college or career ready. Learn how a Texas school district took their programs from first class to world class.

**PROGRAMS OF STUDY PARTNERSHIPS OUTREACH**

**Mr. Richard Kincaid**, Director, Career and Technical Education, Round Rock Independent School District, Round Rock, TX

**D7 Grande Ballroom A**

**Case Study on CTE Program Viability**

This case study explores local, state, and national data of similar programs to determine the viability of a CTE program at North Hennepin Community College. It's replicable process yielded data that was used to make informed decisions about the program as well as yielded national trends within the industry. Results of this study were used to make curricular, structural, and delivery changes to the program. Additionally, findings support that licensing and hiring agencies reexamine standards that inform the credentialing and hiring of industry professionals. Recommendations from this study as well as areas for further research will also be discussed.

**DATA**

**Mr. Matt Simoneau**, Assistant Professor in Career and Technical Education, University of Wisconsin-Stout, St. Louis Park, MN

# The Career Pathways Effect

# PROFESSIONAL DEVELOPMENT WORKSHOPS



The Center for Occupational Research and Development (CORD) and the National Association of State Directors of Career Technical Education Consortium (NASDCTEc) have collaborated on the development of *The Career Pathways Effect: Linking Education and Economic Prosperity*, a new book that offers solutions to major education and resulting economic problems facing the United States today. To complement the book, CORD and NASDCTEc have jointly developed a series of workshops designed to help practitioners implement Career Pathways systems.

The following workshops are available:

## Lead/Succeed Series

- Career Pathways Overview
- The Administrator's Role in a Career Pathways System

## Partner Series

- Partnership Opportunities

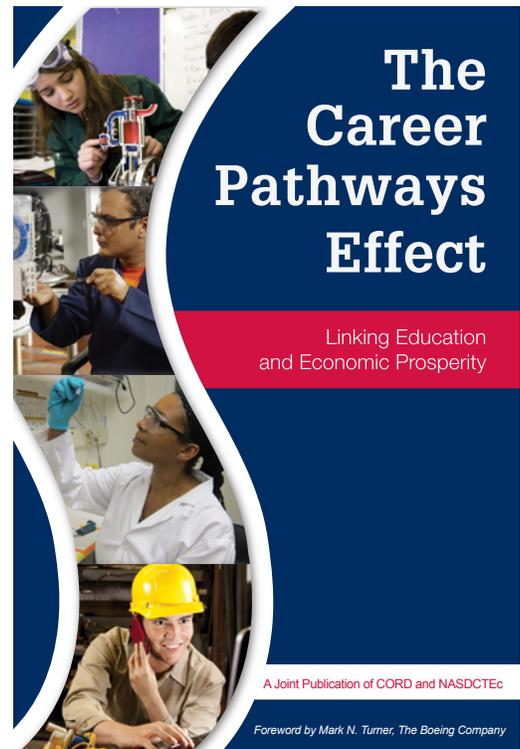
## Deliver Series

- Teaching for Success
- Counseling for Success
- Building Programs of Study

## Ensure Series

- Data-Driven Decision-Making

*All workshops can be customized for your state or region. Don't see what you are looking for? Contact us for a complete customized package.*



*For more information:*

**Debra Mills**

[dmills@cord.org](mailto:dmills@cord.org), 217-247-9930

**Teemus Warner**

[twarner@cord.org](mailto:twarner@cord.org), 254-741-8337

**D8 Courtroom K**

**Advanced Career Initiative**

Advanced Career (AC) is an initiative of the Southern Regional Education Board (SREB) and nine Partner States. AC is a contextual project/problem based curriculum program and is the first standards based program in the country. This means that teachers must be proficient in both technical standards and state common core standards that are equally emphasized in the teaching plan. In this presentation you will learn how the new state common core standards expectations are performance based as opposed to the previous knowledge based standards. The session will offer examples of how curricula and assessment must change to meet these new requirements, and how these changes will affect CTE.

**PROGRAMS OF STUDY** **COMMON CORE** **COUNSELING**

**Mr. Richard Blais**, Senior Advisor, Southern Regional Education Board, Atlanta, GA

**D9 Grande Ballroom F**

**Elements of High-Quality, Statewide Programs of Study**

While every state is approving, reviewing and/or supporting programs of study in some capacity, a smaller number of states are taking on programs of study as a statewide effort. This panel will focus on three states taking systemic approaches to designing and implementing statewide programs of study. The panel will explore what is going well, what barriers still exist, and how implementation varies from state to state.

**PROGRAMS OF STUDY**

**Ms. Connie Beene**, Director of Federal Initiatives for Technical Education, Kansas Board of Regents, Topeka, KS

**Mr. Lyle Courtnege**, Project Director, Rigorous Programs of Study, Montana University System, Billings, MT

**Mr. Jay Scott**, Assistant Director of CTE, Kansas State Department of Education, Topeka, KS

**Mr. Michael Raponi**, State Director of Career Technical & Adult Education, Nevada Department of Education, Carson City, NV

**General Session**

11:15 a.m. – 12:10 p.m.

**Education in a Digital Democracy**

As we boldly move into the future, we are challenged to create thoughtful frameworks for our continuing inclusion of technology in how we work, play, learn, and contribute as active citizens. This keynote presents a framework for thinking about technology in education, but more so for thinking about education in our “digital democracy.” The presentation begins by exploring the enormous changes and challenges brought on by the digital age, including the digital divide. It will conclude with the presentation of a charge for Career Technical Education institutions in this time of transition to become key community access points for learning about and with technology.



**Dr. Mark Milliron**, Co-Founder & Chief Learning Officer, Civitas Learning, Austin, TX

**Lunch**

Highland Center

12:15 p.m. – 1:15 p.m.

**Session E: Concurrent Breakouts**

1:30 p.m. – 2:30 p.m.

**D1 Grande Ballroom F**

**Education in a Digital Democracy**

Building on his general session keynote address, Dr. Milliron will share insights and conduct a dialogue session from his general session presentation. Participants will be able to engage with Dr. Milliron and fellow session-goers to explore the increasing integration of technology into modern CTE, as well as the field’s promise as an access point for students to learn more about technology today.

**PROGRAMS OF STUDY**

**Dr. Mark Milliron**, Co-Founder & Chief Learning Officer at Civitas Learning, Austin, TX

**E2 Grande Ballroom E**

**CTE & the Common Core: An Approach to Professional Development**

Where does CTE fit with the Common Core State Standards (CCSS)? Developed with teacher input, Concentrating on Reality Education is a collaborative process for integrating CCSS with CTE. Following a brief CCSS review, this session will focus on tools, materials, and structure for teacher professional development.

**COMMON CORE**

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

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

**E3 Grande Ballroom A**

**How Does a State Get Everyone Involved in Moving Forward with Developing Programs Of Study?**

*This session will be repeated on Wednesday, June 18 at 10:30 a.m. in Grande Ballroom A.*

Answer: By building a dynamic, data-driven website like [www.WICareerPathways.org](http://www.WICareerPathways.org). In this session, participants can learn how high school and college programs are integrated with student academic and career plans, all within the Career Clusters framework. Check out the latest features added for counselors and students, in addition to the new business portal. See how this collaborative initiative resulted in a unique interactive online resource that is sure to engage students in career exploration and academic planning.

**PROGRAMS OF STUDY COUNSELING**

**Mrs. Jennifer Wagner**, Career Pathway Coordinator, Moraine Park Technical College, Beaver Dam, WI

**E4 Grande Ballroom D**

**Partnership with Governor's Academy for Health Sciences**

The Governor's Academy for Health Sciences is a partnership between Newport News Schools and York County Schools. Community partners allow students to experience clinical observations and career training throughout the academy, including summer experiences and spring break experiences. Learn how the partnerships enhance the learning experiences for the students.

**PROGRAMS OF STUDY COUNSELING PARTNERSHIPS**

**Ms. Patty Chaney**, Co-Director, Governor's Health Science Academy, Newport News Public Schools, Newport News, VA

**E5 Courtroom K**

**Building Your Perfect Textbook using iBook Author**

This hands-on workshop will get you started creating your own iBook. Learn the tips and tricks to make the most of your time while designing books specifically for your classes and students. Time spent in this session will save you from enduring the challenges and limitations of the software. Workshop includes discussion about the differences between epub and iBooks. Attendees should download the free iBook Author application on their Mac laptop prior to the session. iBook Author will not work on an iPad; however, an iPad and a Mac USB cord are required when building an iBook. Note: Participants must bring Mac laptop and iPad for this session.

**COMMON CORE**

**Mrs. Lori Hower**, Business Educator, Central Heights High School, Richmond, KS



**Welcome to the Conference!**  
Stop by the NOCTI booth to learn more about some of our new initiatives including:

- Digital Badges
- College Credit Recommendations
- More Collaborations
- New Professional Development Resources

**E6 Courtroom L**

**The 4-Corners Initiative**

Hear about the practices of the 4-Corners initiative to develop local partnerships for project based learning, mentorship, senior capstone and internship opportunities. 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.

**PARTNERSHIPS**

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

**E7 Grande Ballroom B**

**Employing Team Based Learning in a CTE Environment**

This session will demonstrate a CTE application of Team Based Learning. The application is automotive tech related and is used at OSU Institute of Technology.

**PROGRAMS OF STUDY**

**Mr. Tim Dwyer**, Instructor, Oklahoma State University Institute of Technology, Okmulgee, OK

**Dr. Rod Boyes**, President, Melior, Inc. (aka Today's Class), Birmingham, AL

**E8 Grande Ballroom C**

**Career Preparedness: One course – Multiple Results for Students**

*This session will be repeated on Wednesday, June 18 at 9:15 a.m. in Grande Ballroom B.*

Career preparedness brings career development and guidance, basic computer technology and financial literacy together into one course. This presentation will include steps for course development, an overview of the state wide professional development provided and results of the first year of implementation of the course for all 2013-14 ninth graders.

**COUNSELING POLICY**

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

**E9 Courtroom O**

**Vendor Session: Adding the “WOW” factor into your CTE program**

Get others to say “WOW” about your CTE program by building partnerships with local industries. These partnerships allow your students and adults to participate in extended learning opportunities that help them understand the relevance between school subjects and the world of work, become career-ready,

and reach lifelong success.

**PROGRAMS OF STUDY**

**Mr. Jacob Flaws**, Senior Sales Associate, Kuder Inc., Adel, IA

**Session F: Concurrent Breakouts**

2:45 p.m. – 3:45 p.m.

**F1 Courtroom K**

**Best Practices for CTE Participation in IEP Meetings**

*This session will be repeated on Wednesday, June 18 at 9:15 a.m. in Grande Ballroom A.*

Participants will work in groups to effectively describe and list the unique features of their CTE course using a Basic Skills Inventory, Program Inventory and a Comprehensive Skills Inventory. These tools will enable IEP committees to make informed CTE- related initial and continuing placement decisions even during the absence of a CTE representative or instructor at the meeting.

**PROGRAMS OF STUDY**

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

**F2 Grande Ballroom E**

**Common Core Math Standards in CTE**

The CCSS for mathematics include page after page of standards. If you're trying to identify the standards reinforced in your CTE curriculum, finding that one standard can be overwhelming. This session will review mathematics standards that come up repeatedly in our work with CTE curriculum.

**COMMON CORE**

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

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

**F3 Grande Ballroom D**

**Open Digital Badging: Validating Business and Industry Needs**

Employers expect technical competency; CTE programs deliver it. Where's the disconnect? Join this interactive session to better understand “competency” and learn methods for building and reinforcing employer relationships through skill verification and digital badges. Get a sneak peek at ACTE's recently-released instructional improvement book that

incorporates the digital badge concept.

**PARTNERSHIPS**

**Mr. Michael Connet**, Senior Director-Programs & Communications, Association for Career and Technical Education (ACTE), Alexandria, VA

**Mr. Patrick Knopnicki**, Director, Office of Technical & Career Education, Virginia Beach City Schools, Virginia Beach, VA

**F4 Grande Ballroom F**

**Technician Entrepreneur – Using Social Media to Build a Business Brand and Network**

What do technicians need to know and do to use social media effectively to build their professional reputations and grow a customer base? What instructional resources are available to CTE teachers who want to integrate the business use of social media into technician education programs? In this session, participants will learn the importance of social media in building a business brand and network; discuss online learning in technical programs and review online lessons (and related resources) that are used as classwork, homework or projects to help technicians use social media to build their business. Participants will leave with copies of the occupational profile of the social technology-enabled professional, samples of related assessment rubrics and be offered the opportunity to field test lessons developed through National Science Foundation funding (Using Social Media to Establish and Grow an Online Presence for Your Business, and Knowledge Sharing in Your Organization).

**OUTREACH**

**Ms. Joyce Malyn-Smith**, Principal Investigator, the Education Development Center, Inc., Washington, DC

**Mr. Joseph Ippolito**, Project Director, the Education Development Center, Inc., Washington, DC

**Prof. David M. Smith**, Kaplan University, Boston, MA

**F5 Grande Ballroom A**

**Preparing the Emerging Workforce through Successful STEM Partnerships**

Presenters will share data on successful STEM partnerships. Attendees will learn strategies to promote student achievement and interest in STEM career fields. Local school business partners will also share STEM skills, resources, and opportunities that are essential to ensuring that career pathways are aligned with industry needs.

**PARTNERSHIPS**

**Mrs. Toinette Outland**, Program Administrator, Heritage High School, Governor's STEM Academy, Newport News Public Schools, Newport News, VA

**F6 Grande Ballroom C**

**Perkins 101: An Overview of Perkins IV and the Path to Reauthorization**

*This session will be repeated on Tuesday, June 17 at 4 p.m. in Courtroom K.*

Join Steve Voytek, NASDCTEc's Government Relations Associate, for an overview of federal CTE legislation as it has evolved over the past several decades, culminating in the Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV). An in-depth analysis of the current law will be provided as Congress begins consideration of reauthorizing this important legislation.

**POLICY**

**Mr. Steve Voytek**, Government Relations Associate, NASDCTEc/NCTEF, Silver Spring, MD

**F7 Courtroom O**

**Arizona Partnership for CTE and Arizona's College and Career Ready Standards**

Arizona's Partnership for CTE and Arizona's College and Career Ready Standards has developed a four-prong approach integrating these standards into CTE: 1. Deliver specific Common Core training; 2. Create math and ELA lesson for CTE; 3. Document standards in existing lessons; 4. Include academic integration in teacher preparation program. This session will explore the interaction of CTE with the AZ College and Career Ready Standards and how the four-prong approach is used.

**COMMON CORE**

**Mrs. Lee Jessen**, Academic Integration Specialist, Pima County JTED, Tucson, AZ

**F8 Grande Ballroom B**

**Moving Forward with High Quality CTE Programs**

This session will discuss high quality programs of study based on OCTAE's ten-component framework. Participants will discuss implementing rigorous programs of study, grants, and strategies and lessons learned for each component of the framework.

**PROGRAMS OF STUDY**

**Mr. Albert Palacios**, Educational Program Specialist, US Department of Education, Washington, DC

**F9** Courtroom L

**IL IT Cluster Public-Private Partnerships for Work-Based Learning**

This session will entail in-depth case studies of two Illinois IT Cluster Programs that provide strategies for building and sustaining business-education partnerships for work-based learning opportunities.

**PARTNERSHIPS**

**Ms. Gretchen Koch**, Executive Director, Workforce Development Programs, CompTIA, Downers Grove, IL

**Session G: Concurrent Breakouts**

4 p.m. – 5 p.m.

**G1** Grande Ballroom F

**National Center for Innovation in Career and Technical Education: Research Update**

Mr. Steve Klein, Principal Investigator for the National Center for Innovation in Career and Technical Education (NCICTE) will profile NCICTE studies and trainings, and engage participants in a discussion to identify their research and instructional needs. Participants also will learn about information and tools they can access on the NCICTE website to improve CTE policy and practice at the secondary and postsecondary levels. Session attendees will leave with an understanding of how the NCICTE is working to expand our knowledge of CTE and document its contribution to preparing individuals for higher education and career success.

**DATA**

**Mr. Steven Klein**, Principal Investigator, National Center for Innovation in Career & Technical Education, Portland, OR

**G2** Courtroom L

**A New Standard for Career Technical Education**

The California Career Technical Education (CTE) Model Curriculum Standards have been updated to meet the expectations for the 21st Century workforce to ensure all students are both career and college ready. Participants will learn how the CTE Standards align with and support the Common Core State Standards, Next Generation Science Standards, and state's social science standards. Participants will exit this workshop with an understanding of standards alignment and strategies for course content development and expectations for student achievement.

**COMMON CORE**

**Dr. Carolyn Zachry, Ed.D.**, Education Administrator, California Department of Education, Sacramento, CA

**ct** Grande Ballroom E

**Leadership for Breakthrough CTE and Pathways**

CTE leadership is demanding, because leaders must successfully navigate and influence between several strands of endeavor, including general education reform, postsecondary education and training, workforce development, economic development and employer and community partnerships. During this session, participants will learn about the CTE Leadership Framework under development by Hans Meeder of NC3T. Participants will review tools for self-reflections and goal setting, and consider how they can pursue leadership growth in their college or school environment.

**OUTREACH**

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

**G4** Grande Ballroom B

**What is the CCTC and How Does it Affect Me?**

You've heard about the Common Core State Standards, but what do you know about the Common Career Technical Core (CCTC)? The CCTC standards – which were created by the states, for the states – have set a new bar for what CTE students should know and be able to do by the end of study. Join Andrea Zimmermann, NASDCTEC's State Policy Associate, to learn more about how the CCTC are designed to fit CTE's diverse system and how you and your state can use the CCTC as an anchor for the bevy of existing state, local and industry standards.

**PROGRAMS OF STUDY** **COMMON CORE**

**Ms. Andrea Zimmermann**, State Policy Associate, NASDCTEC/NCTEF, Silver Spring, MD

**G5** Grande Ballroom D

**Early Childhood Education Rigorous Program of Study**

The Peoria Unified School District Early Childhood Education program was one of the 18 schools in the country to receive the proof of concept grant - Rigorous Programs of Study grant - through the OVAE (new name - if you want). Participants will hear about this district's journey on these programs of study.

**PROGRAMS OF STUDY** **PARTNERSHIPS**

**Dr. Patti Beltram**, CTE Director, Peoria Unified School District, Glendale, AZ

**66 Grande Ballroom A**

**Federal Investments in Education Technology**

Are you keeping up with the technology your students are using? Learn about the latest investments being made by the U.S. Department of Education in innovations that will transform the classroom and the learning experience.

DATA

Mr. Albert Palacios, Educational Program Specialist, US Department of Education, Washington, DC

**67 Grande Ballroom C**

**Perkins 101: An Overview of Perkins IV and the Path to Reauthorization**

Join Steve Voytek, NASDCTEc's Government Relations Associate, for an overview of federal CTE legislation as it has evolved over the past several decades, culminating in the Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV). An in-depth analysis of the current law will be provided as Congress begins consideration of reauthorizing this important legislation.

POLICY

Mr. Steve Voytek, Government Relations Associate, NASDCTEc/ NCTEF, Silver Spring, MD

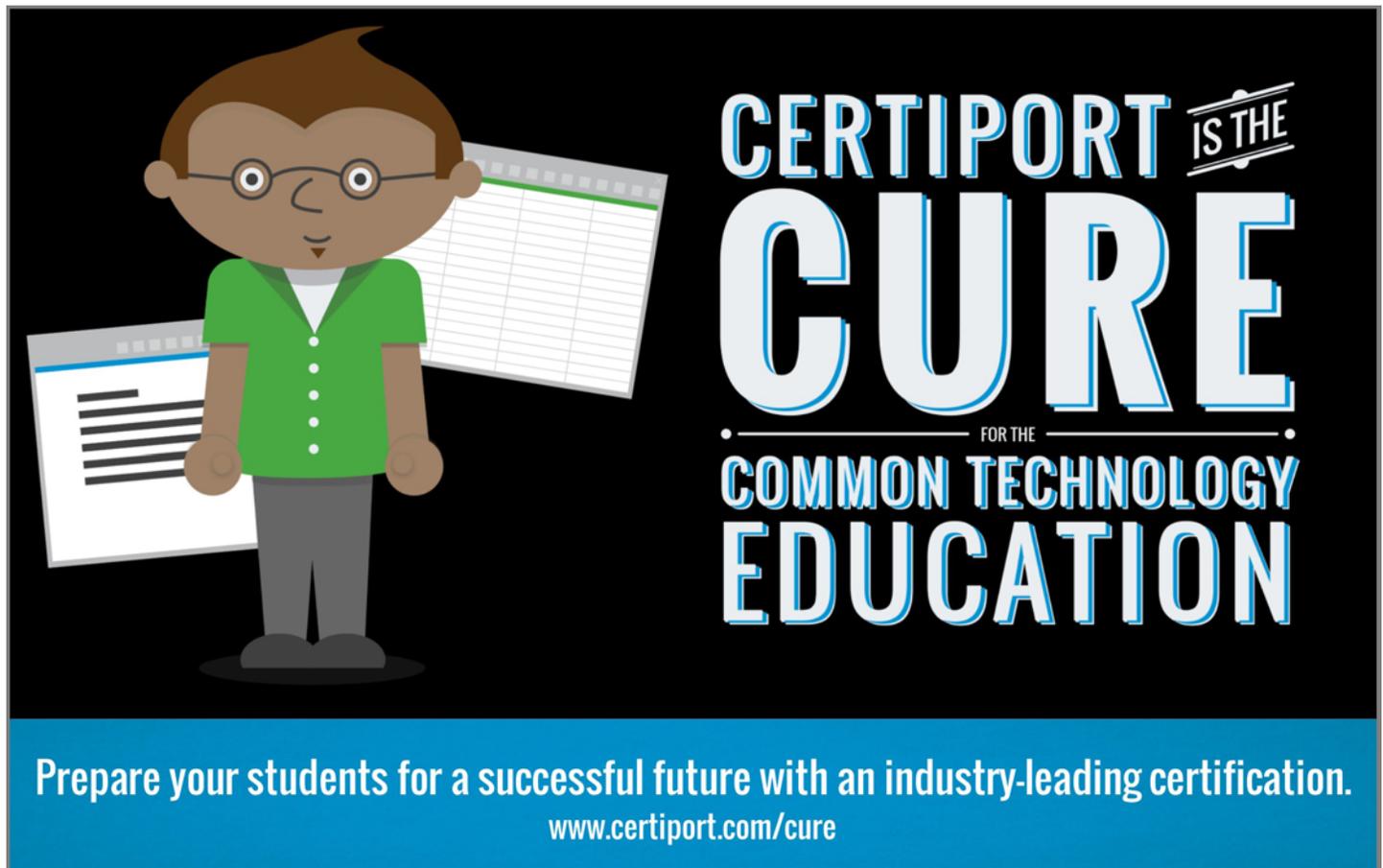
**68 Courtroom O**

**Vendor Session: Understanding the Value of Industry Certification – By Certiport**

Come learn about why your schools should consider offering industry certifications to students in K12. Learn about the different technology certifications available to students from Certiport, as the exclusive authorized provider of high-stakes industry certification programs from vendors like Microsoft, Adobe, Autodesk, Intuit, HP, and more!

DATA PARTNERSHIPS

Mr. Mike Maddock, National Accounts Director, Certiport



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## Registration/Help Desk

East Registration Grande Ballroom

7:30 a.m. – 1:30 p.m.

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## Continental Breakfast

Highland Center

7:30 a.m. – 8:15 a.m.

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## Closing Remarks and Tour Details

Highland Center

8:15 a.m. – 9 a.m.

The Achieving Excellence Institute will close with remarks from NASDCTEc/NCTEF President John Fischer. Attendees will disperse to tour group check-in points at 8:30 a.m. Tour buses will depart promptly at 9:00 a.m.

Please note that tours will return **after** checkout time. Guests are advised to check out of their rooms and leave their bags with the concierge prior to joining their tour.

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## Session H: Concurrent Breakouts

9:15 a.m. – 10:15 a.m.

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### Grande Ballroom A

#### Best Practices for CTE Participation in IEP Meetings

Participants will work in groups to effectively describe and list the unique features of their CTE course using a Basic Skills Inventory, Program Inventory and a Comprehensive Skills Inventory. These tools will enable IEP committees to make informed CTE- related initial and continuing placement decisions even during the absence of a CTE representative or instructor at the meeting.

#### PROGRAMS OF STUDY

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

### Grande Ballroom B

#### Career Preparedness: One course – Multiple Results for Students

Career preparedness brings career development and guidance, basic computer technology and financial literacy together into one course. This presentation will include steps for course development, an overview of the state wide professional development provided and results of the first year of implementation of the course for all 2013-14 ninth graders.

#### COUNSELING POLICY

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

### Grande Ballroom C

#### What's New with SIRDC

The Statewide Instructional Resources Development Center (SIRDC) is a Texas Education Agency 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 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](http://www.cte.sfasu.edu). Presentation will focus on newest projects and products.

#### PROGRAMS OF STUDY

**Ms. Sandra Delgado**, Associate Project Director, Statewide Instructional Resources Development Center, Stephen F. Austin State University, San Antonio, TX

**Dr. Linda Martin**, Director, School of Human Sciences, SFA Grant Project Investigator, Stephen F. Austin State University, San Antonio, TX

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## Session I: Concurrent Breakouts

10:30 a.m. – 11:30 a.m.

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### Grande Ballroom A

#### How Does a State Get Everyone Involved in Moving Forward with Developing Programs Of Study?

Answer: By building a dynamic, data-driven website like [www.WICareerPathways.org](http://www.WICareerPathways.org). In this session, participants can learn how high school and college programs are integrated with student academic and career plans, all within the Career Clusters framework. Check out the latest features added for counselors and students, in addition to the new business portal. See how this

collaborative initiative resulted in a unique interactive online resource that is sure to engage students in career exploration and academic planning.

## PROGRAMS OF STUDY COUNSELING

**Mrs. Jennifer Wagner**, Career Pathway Coordinator, Moraine Park Technical College, Beaver Dam, WI

### Grande Ballroom B

#### **Integrating the Common Core into CTE programs**

This interactive session will focus on sharing processes to help participants think through how to integrate the Common Core into CTE programs, courses, curricula and pathways. The presenter will share experiences, resources and tools developed in collaboration with two state departments of education focusing integrating the Common Core into CTE.

## COMMON CORE

**Ms. Beth Ratway**, Senior Consultant, American Institutes for Research, Madison, WI

### Grande Ballroom C

#### **Back to the Basics of the Carl Perkins Act**

This session will detail one institution's comparative look at the Carl D. Perkins Career and Technical Education Act and its focus on aligning resources to promote program priorities from marketing to faculty professional development. It will present an easy-to-replicate cross-department, cross-disciplinary model that was used to establish an outcomes-based, aligned and data driven approach to prioritizing funding with a focus on utilizing data to make informed decisions. The session will also outline the development of a strategic plan which was used to establish campus-wide and program priorities and accountability measures with a focus on low-performing career programs. This interactive session will provide attendees the opportunity to develop an institution specific graphic organizer to generate an action plan.

## POLICY

**Mr. Matt Simoneau**, Assistant Professor, Career and Technical Education, University of Wisconsin-Stout, St Louis Park, MN

**Ms. Sue Dion**, Instructional Designer, Faculty Development Inver Hills Community College, Inver Grove Heights, MN

## Excellence in Action: School and Industry Tours

9 a.m. to tour finish (see individual tours for return times)

It's well known in the CTE community that hands-on experience in the field is one of the most powerful ways to learn. At the Achieving Excellence Institute, we are providing you, the CTE educator and advocate, the opportunity to see excellence in action firsthand with our first-ever CTE tours. Registrants who signed up for tours will receive a tour ticket with their name tag. Should you wish to change tours, or sign up on-site may do so at the registration desk (tour capacity is limited, some may be unavailable on-site). Tour groups will gather in the Highland Center at 8:45 a.m. Attendees must have their ticket and name tag in order to board tour buses. Buses leave promptly at 9 a.m.

*Note: Tour attendees may leave luggage with the concierge. Directions to tour locations are available at the registration desk.*

### Arizona Agribusiness & Equine Center

Modeled in both content and rigorously after university Equine Science programs, the Arizona Agribusiness & Equine Center (AAEC) curriculum is unparalleled at the high school level, and offers numerous equine-related options to engage students. The Equine Studies program provides unique, challenging, broad-based educational opportunities for students who have a special interest in horses and the horse industry. The AAEC-Paradise Valley Equine Studies program is recognized nationally and received the 2009 American Youth Horse Council (AYHC) Partnership award for innovative programs that "connect kids through horses."

The 12-acre charter school campus is brand new and is an early college high school in partnership with Paradise Valley Community College, with many students receiving their Associate degrees along with their high school diploma upon graduation. The program also has a vet mobile lab with two surgery rooms.



This tour will feature the Agriculture, Food & Natural Resources Career Cluster.

This tour will return to the hotel at noon.

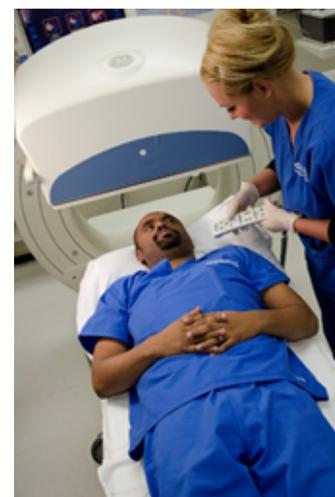
**Note: This tour will require extensive walking.**

### GateWay Community College

Among the many health science programs available, GateWay Community College provides an integrated learning experience for postsecondary students in the Health Science Career Cluster, particularly in the physical therapy and sonography disciplines, in the form of a student-staffed community clinic. The Healthcare United at GateWay (HUG) Clinic is open to the public two days a week and provides free physical therapy and ultrasounds to the public. It is one of two programs of its kind in the United States. The health science programs at this campus have very strong partnerships with industry and four-year institutions. GateWay Community College is part of the Maricopa Community College system.

This tour will feature the Health Science Career Cluster.

This tour will return to the hotel at 1 p.m.



## Sunrise Mountain High School

Part of the Peoria Unified School District, Sunrise Mountain High School is a comprehensive high school with a range of in-school CTE programs, which largely subscribe to the program of study (POS) model. Their early childhood program is supported by a Rigorous Program of Study grant, which gave them the tools they needed to turn in a program that was essentially “child care,” into a POS with a robust articulation agreement with a local community college (which in turn can help them articulate to a four-year institution) and allows students to earn up to 12 credits towards their associates degree during secondary study. They also have an engineering program that has a new partnership with Embry Riddle and other postsecondary institutions. Their Fire Safety program has the support of the local fire department, and is taught by a local firefighter. Their Automotive Technologies program prepares students to use some of the most modern technology being used in our automobiles today.



This tour will feature:

- The Education & Training Career Cluster
- The Human Services Career Cluster
- The Law, Public Safety, Corrections & Security Career Cluster
- The Science, Technology, Engineering & Mathematics Career Cluster
- The Transportation, Distribution & Logistics Career Cluster

This tour will return to the hotel at noon.

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## EVIT (East Valley Institute of Technology)

Upheld as a model for CTE by the U.S. Department of Education, EVIT provides students with the advanced skills and training needed to thrive in today's competitive job market. EVIT is a public institution serving 10th, 11th and 12th grade students from ten high schools.

Specifically, the tour will feature Radio/Audio Production, a program that trains students on a fully functioning radio station – the Pulse – that broadcasts at 90.7 FM and 92.7 FM. Students are exposed to the day-to-day operations in the music business including audio production, radio advertising, promotions, image branding and news writing. Students also work in digital audio workstations that are standard in recording studios and may have the opportunity to broadcast a show and participate in live radio remotes. The tour will also feature EVIT's culinary arts (a la carte and quantity cooking), commercial baking and dining room operations program, where students gain hands-on experience working special functions, breakfasts, luncheons and dinners in the culinary banquet hall.



The tour will include the opportunity to learn about the Great Globe Project, a world-wide initiative to precision manufacture a 40-stories high globe, which is hosted at EVIT, as well as EVIT's Nursing Program.

This tour will feature:

- The Arts, A/V Technology & Communications Career Cluster
- The Health Sciences Career Cluster
- The Hospitality & Tourism Career Cluster
- The Science, Technology, Engineering & Mathematics Career Cluster

This tour will return to the hotel at 1 p.m.

## Metro Tech High School

Metro Tech is a magnet high school with a unique approach to their CTE programs. It serves as both a comprehensive high school as well as a half-day CTE school for other students in Phoenix Union School District.

Work-based learning takes place across Career Clusters through several different student-led projects. The Protégé College of Cosmetology program has a working salon open to the public. The Floral Design and Business Operations program combines fresh flower designing and business office skills, with a shop also open to the public during the school year. The Culinary Arts two-year program prepares students for entry-level positions in the culinary field and dual enrollment is available in baking, while food used in one of the two on-site dining facilities is in part supplied by an on-campus greenhouse. The Banking/Finance program has a full-service credit union on the school premises, where students learn all aspects of banking as part of their training.

Metro Tech provides good examples of how entrepreneurship in the form of working businesses can be incorporated in a school setting.

This tour will feature:

- The Finance Career Cluster
- The Hospitality & Tourism Career Cluster

This tour return to the hotel at noon.



## Hilton Insider's Tour

Participants will get a glimpse of the hospitality and tourism industry with a behind-the-scenes tour of our meeting location, the Pointe Hilton Tapatio Cliffs Resort, visiting the kitchens, sales operation and other areas not seen by the public. Guest speakers will share information about the Phoenix tourism industry.

This tour will feature the Hospitality & Tourism Career Cluster.

The tour will begin from the Highland Center and will conclude by 11:30 a.m.



## SUMCO Corporation

SUMCO Corporation is an international leader in the production of ultra-pure, defect-free, single-crystal silicon wafers for the global semiconductor industry. SUMCO provides state-of-the-art products, high-tech solutions and technologies to customers worldwide, and offers the broadest technology base in the wafer industry. SUMCO operates 12 manufacturing facilities located in Asia and the United States, with their corporate headquarters located in Phoenix.

This tour will feature:

- The Manufacturing Career Cluster
- The Science, Technology, Engineering & Mathematics Career Cluster

This tour will return to the hotel noon.

**Note: This tour will require extensive walking. Attendees are advised to wear good walking shoes and to bring a light jacket as the plant is kept very cool.**



## West-MEC Central Campus Aviation Program and Precision Manufacturing

This program is one of only three high school programs approved by Federal Aviation Administration (FAA) in the nation as of 2011, as being able to administer three FAA certifications: 'General Aviation,' 'Airframe' and 'Power Plant.' Students must complete 1900 hours of training during their junior and senior year, including summers between and post-graduation. This two-year program teaches maintenance and repair of aircraft mechanical systems including, electricity, turbine and reciprocating engines, aircraft finishes, sheet metal, welding, landing gears, hydraulics, propellers and more. In March 2013, West-MEC started its first cohort of adults in the Aviation (Airframe and Power Plant) programs.

Participants will also be able to see the brand-new Computer Numerical Control (CNC) Precision Manufacturing building, standing adjacent to the Aviation building. The two-year program housed there exposes students to precision manufacturing and computer numerically-controlled machining. Students will gain insight on the select tools and materials needed to make durable goods, read blueprints, and comprehend CNC theory and procedures, applying math skills. Upon completion of the program, students may test to receive a certification with the National Institute of Metalworking Skills (NIMS). West-MEC Central Campus is part of the Western Maricopa Education Center, which serves 12 member school districts.

This tour will feature:

- The Manufacturing Career Cluster
- The Science, Technology, Engineering and Mathematics Career Cluster

This tour will return to the hotel at 1 p.m.



Ainsworth, Patrick .....	19	Martin, Linda .....	21, 29
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Beene, Connie .....	19, 27	Meeder, Hans .....	13, 21, 27
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Bilaye-Benibo, Gloria .....	15	Mossay, Michele .....	17
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Logue, Holly .....	17		
Lufkin, Mimi .....	12		
Lynch, Marilyn .....	14		
Maddock, Mike .....	29		
Mahadevan, Lakshmi .....	25, 29		
Malyn-Smith, Joyce .....	26		

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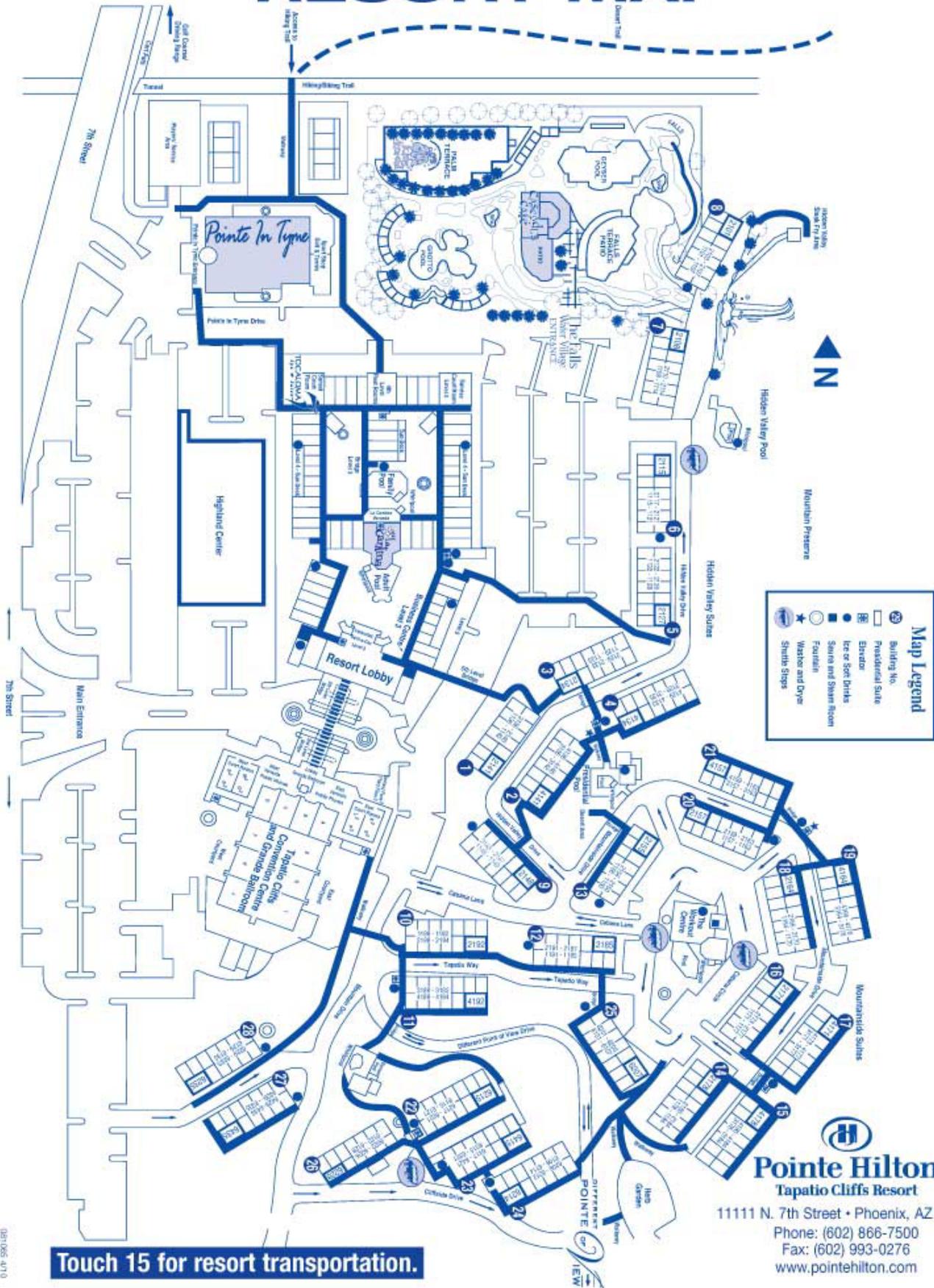
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# RESORT MAP



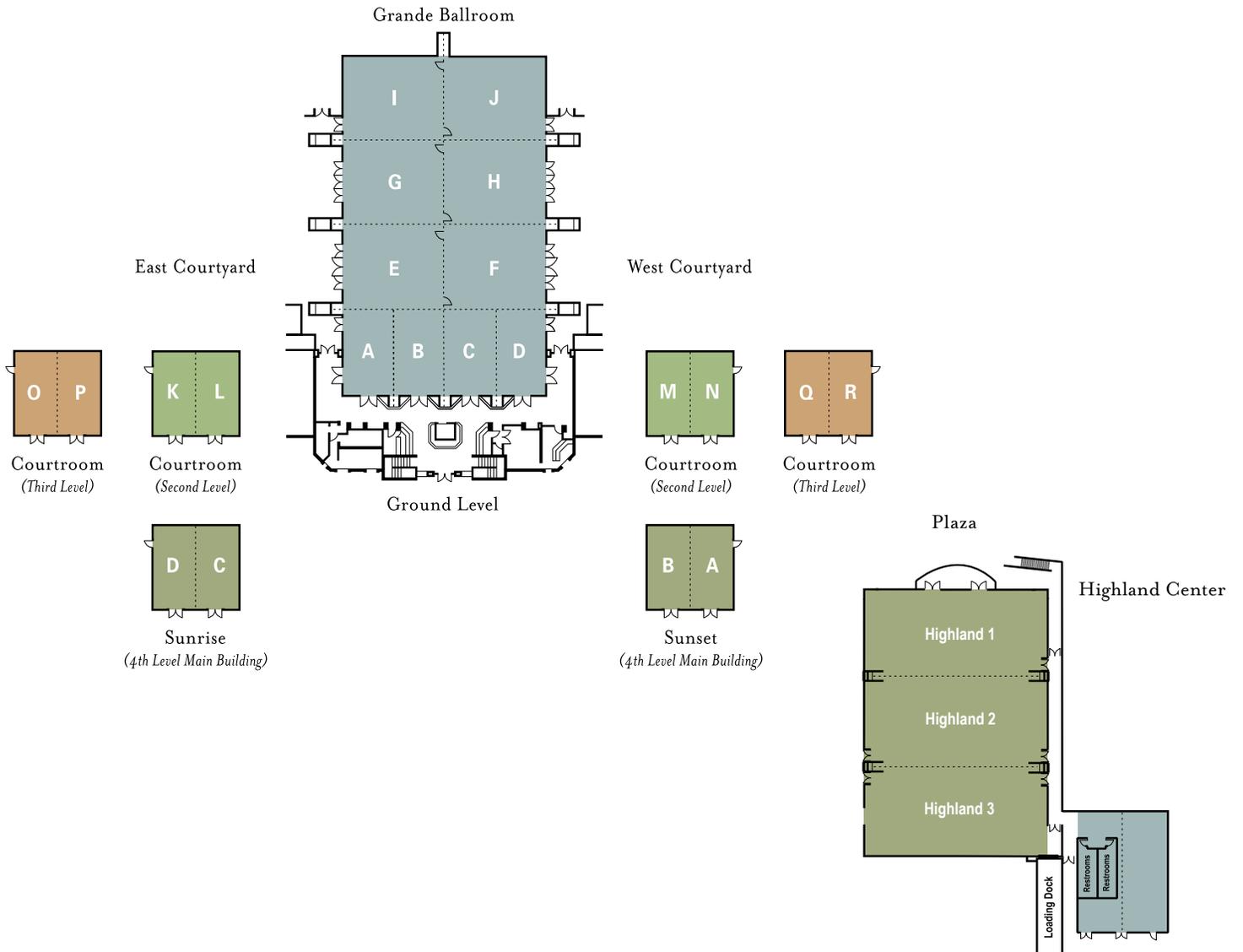
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# Ballroom Map





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The National Career Technical Education Foundation (NCTEF)

