

2018 NCPN Conference Presentations

THURSDAY, October 11, 10:30-11:15

Featured Perkins V Is a Reality!

After years of effort to reauthorize the federal CTE Perkins program, Public Law 115-224 is now a reality. In this session, Michael Brustein will explain the changes between the new and old law, provide a timeline for implementation, and share with attendees what they need to know to get ready for Perkins V. He'll also cover key changes to the definitions of CTE and special populations, revisions to accountability, the development of the needs assessment and local application, and, significantly, changes to Section 135 on local use of funds.

Michael Brustein, Brustein & Manasevit PLLC, Washington, D.C.

A Consortium of Innovation: Industry Certification Transfer—Secondary to Postsecondary Credit Articulation

The Research Coast Career Pathways Consortium (RCCPC) has successfully implemented an auto-articulation system that awards students career pathways credit upon entering the state college in their regions. This presentation will elaborate on this initiative and give attendees a step-by-step guide on how to implement it.

Nicholas Brown, Indian River State College, Fort Pierce, FL

NSF ATE Visiting Industry Facilities: Great Beginnings to Student Engagement in Careers

Providing opportunities for students to visit industry facilities is an important component of career exploration and work-based education. FLATE's Regional Center for Manufacturing Education in Florida has organized hundreds of student tours during manufacturing month for many years. This presentation will share guidelines and tips for impactful student tours and integration of tours into career education. **Marilyn Barger**, Florida Advanced Technological Education Center (FLATE), Tampa, FL

Creating Partnerships to Create Pathways to Prosperity in a North Carolina Community

Attendees will learn how two school systems, a community college, industry leaders, and workforce development intermediaries worked together over the last five years to develop pathways in advanced manufacturing, health sciences, and agriculture. The pathways include 9-14 curriculum, work-based learning opportunities, and career development and advising. **Julie Pack**, Asheboro City Schools Career and Technical Education, Asheboro, NC; **Melinda Eudy**, Randolph Community College, Asheboro, NC; **Margaret Brown**, PEMMCO Manufacturing, Inc., Asheboro, NC; **Nancy Cross**, Randolph County School System, Asheboro, NC

Dual Enrollment in High-Demand Careers: A Partnership Between High School and College

Learn how a partnership between the REAL (Racine Engineering Arts and Leadership) School and Gateway Technical College is leveraging faculty expertise, campus resources, and dual credit programs to bring three career pathways to high school students. Learn how to structure a pathway around your schedule and your school's needs. **Katie Graf**, Gateway Technical College, Elkhorn, WI; **Lindsey Schmidt**, Racine Engineering Arts and Leadership School, Sturtevant, WI

Growing a Workforce Through Registered Youth Apprenticeship: The Charleston Regional Youth Apprenticeship Model

Much of South Carolina's success in building youth apprenticeship programs stems from the partnership in Charleston involving regional employers, Trident Technical College, Apprenticeship Carolina, local school districts, and the Charleston Metro Chamber of Commerce. Attendees will learn the keys to success in launching a similar program in their communities. **Amanda Richardson**, Apprenticeship Carolina, Columbia, SC; **Mitchell Harp**, **Melissa Stowasser**, Trident Technical College, Charleston, SC

Hope Dealers: Transforming a School's Climate and Culture

Attendees will participate in break-out sessions on strategies for transforming a school's climate and culture by helping teachers "understand their WHY," addressing fixed and growth mindsets, and identifying teacher behaviors that help to sustain schoolwide transformation. **Krystal Horsford**, **Katrina Wilkins**, **Hazel Thompson**, **Felipe Jackson**, Fulton County Schools, Union City, GA

How Labor Market Research Can Make Sure You Are on the Right Path

Your organization has a clear mission and vision. How do you know if what you are doing and plan to do are aligned with labor market projections? Join Brazosport College and EMSI as they discuss a collaboration using labor market data that guaranteed Brazosport College was on the right path. **Anne Bartlett**, Brazosport College, Lake Jackson, TX; **Anna Brown**, EMSI, Moscow, ID

Adult Career Pathways **Image Is Everything: Increasing Adult Education Enrollment Via Rebranding and Targeted Marketing**

Does your agency's brand and marketing accurately reflect its offerings and connect with its target audiences? Learn about the "why" and "how" of our agency's recent rebranding and discuss ways to identify and reach adult education audiences. Participants will leave with replicable ideas and the foundation of a marketing plan. **Reecie Stagnolia**, Kentucky Council on Postsecondary Education, Frankfort, KY; **Missy Brownson Ross**, Kentucky Skills U, Frankfort, KY

Lessons Learned: How Breaking Down of Silos Has Led to Innovative Programming

This session will focus on the journey that one mid-sized community college engaged in that has led to a significant change in the way we are preparing students to enter the workforce in high demand careers. Topics will include: program planning, articulated credit, and the value of stackable credentials. **Camille Reese**, **Amanda Rhea**, **Carol Johnston**, Mitchell Community College, Statesville, NC

Think You Can Do It All Yourself? Building Partnerships for Success

Want to deliver a comprehensive program but think you won't be able to on your own? You might be right. EPIC (Education Partnership for IT Careers) is a training partnership that addresses barriers by incorporating career services, case management, and job placement. Learn more and get solutions for your program. **Derrick Washington**, Byte Back, Washington, D.C.

Using Industry-Recognized Credentials to Help Students Obtain Academic Credit

This session will share lessons learned in the Michigan Coalition of Advanced Manufacturing initiative, a consortium of eight community colleges that received funding to enhance programs and student support services. The project helped 4,000 participants, many unemployed and underemployed, to obtain self-sustaining employment in the state's advanced manufacturing sector. The participating colleges aligned their noncredit/CTE and credit advanced manufacturing training programs to five industry-recognized credentials, which led to articulation within and across their institutions. **Deanna Khemani**, Social Policy Research Associates, Oakland, CA; **Julie Parks**, Grand Rapids Community College, Grand Rapids, MI

Adult Career Pathways **WIOA Career Pathways Innovations: Connecting Adult Education to Workforce Development**

This session will share how thirteen adult education providers in Chicago came together to staff a Career Pathways Navigator to represent their services at the local Pilsen American Job Center (AJC). The Career Pathways Navigator will share best practices, project management techniques, and data gathered during the process of transitioning adult learners into career pathways. **Robert Guzman**, Chicago Citywide Literacy Coalition, Chicago, IL

THURSDAY, October 11, 11:30-12:15

Featured **Update on National Career and Technical Education (CTE) Programs**

The Office of Career, Technical and Adult Education (OCTAE) within the U.S. Department of Education is responsible for administering funding and program support provided under the Carl D. Perkins program. Hear about current projects and resources to support you and your Career and Technical Education (CTE) programs (<http://cte.ed.gov>). **Robin Utz**, OCTAE, U.S. Department of Education, Washington, D.C.

Work Ethics: The Building Blocks for the 21st-Century Workforce

Employers are increasingly finding the workforce lacking in basic work ethics. Contrary to what many people believe, work ethics are not innate but are learned behavior that can be developed at any age. Come learn more about these essential building blocks for the jobs of today AND tomorrow. **Josh Davies**, The Center for Work Ethic Development, Denver, CO

Adult Career Pathways A Career Pathway Model for Adults: Kentucky's Accelerating Opportunity Program

Accelerating Opportunity Kentucky (AOKY) is a co-enrollment career pathway model delivered through a partnership between Kentucky Skill U (KYSU, formerly KY Adult Education), the Kentucky Community and Technical College System (KCTCS), and the KY Career Centers (American Job Centers) for high school equivalency-seeking and low-basic-skilled adults. This session will cover essential skills certificates, recruiting/marketing, curriculum, financial aid, program design, leadership structures, lessons learned, and other facets of AOKY. **Cody Davidson**, Kentucky Skills U, Frankfort, KY; **Harmony Little**, Kentucky Community and Technical College System, Versailles, KY

Apprenticeship Program Development: Educator, Employer, and Workforce Intermediary Models for Success

Apprenticeships are a rapidly growing career pathway model that enables workers to earn a paycheck while learning on the job and in the classroom. Attendees will gain tools for creating successful, industry-driven apprenticeship models that engage community and technical colleges and award completers industry-valued credentials and college credits counting toward academic certificates and degrees. **Barbara Murray**, TransPORTs, Virginia Beach, VA; **Guy St. John**, Oceaneering International, Chesapeake, VA; **Stan Shoun**, Ranken Technical College, St. Louis, MO; **Deborah Williamson**, Kentucky State Labor Cabinet, Frankfort, KY; **Katie Adams**, TransPORTs, Westminster, MD

Creating Innovative Pathways That Blend Secondary and Postsecondary Learning

Kentucky's A2B Nursing Pathway grew out of a collaborative effort involving the Kentucky Department of Education, Jefferson County Career Technical College, Spalding University, and the Southern Regional Education Board. Session attendees will review the pathway, including its multiple off-ramps for students, and discuss how similar pathways could be created in other locales. Partners will discuss the challenges to development and share implementation tips. **Scott Warren**, Southern Regional Education Board, Atlanta, GA

Adult Career Pathways Effective Reentry Program Development With the Aid of the Reentry Career Pathways Institute Website

This presentation will review the steps involved in developing an effective reentry program and how the newly created Reentry Career Pathways Institute website of CORD/NCPN can serve practitioners in this important field. **Peter Moote**, Reentry Career Pathways Institute, a division of CORD, Seattle, WA; **Richard Hinckley**, CORD, Waco, TX

Technology Gamification: Building Fluency and Literacy in Math for At-Risk Youth

An engineer by training, John Huppenthal spent 20 years finding ways to motivate the unmotivated. Using a blend of gamification and individual and group accountability and speed, he crafted an ingenious way to help at-risk youths stop counting on their fingers, build confidence, and achieve astonishing gains in mathematical fluency. **Nai Wang**, KP Education Systems, Phoenix, AZ

Grow Your Own: Career Pathways for Educators

"Grow Your Own" (GYO) programs hold promise for addressing teacher shortages. By creating pipelines of educators who reflect the diversity of their communities remain in their areas, GYO programs are creating pathways that support students as they transition from high school to college and back into the teaching workforce. **Marjorie Cohen**, American Institutes for Research, Washington, DC

Industry and Education: Bridging the Skills Gap

This session will focus on how to develop partnerships for the purposes of improving program effectiveness, addressing the needs of the workforce, blending funding, and improving the quality and scope of a program.

Amy Murphy, Melissa Lachcik, Joliet Junior College, Joliet, IL

Southwest Marketing: How a Classroom-Based Nonprofit Marketing Agency Is Providing Experiential Learning Opportunities for Students

Attendees will learn how the presenter turned his high school marketing class into a nonprofit marketing agency. Southwest Marketing is a problem-based case learning program that engages with local businesses to offer comprehensive marketing services and solutions in exchange for experiential learning opportunities for students. The program's business partners present real business problems to students within the scope of marketing and present the opportunity for students to develop a better marketing strategy/plan. Southwest Marketing is essentially a nonprofit marketing agency that operates out of a high school classroom. **Eloy Garza**, PSJA Southwest Early College High School, Pharr, TX

Systematizing Career Pathways: The New Way of Doing Business

This presentation will focus on scalable career pathways system development at your institution. Topics will include strategies to systematize and integrate pathways into existing college-wide processes and procedures, and how to overcome potential barriers. Participants will receive information on best practices and tools which can be replicated and customized. **Jaime Spaciel**, Gateway Technical College, Kenosha, WI

Using Employer Resource Networks to Engage Business in Career Pathways Development

Employers play a vital role in helping the public workforce system and educational training providers understand the types of skills and competencies needed for specific occupations and industries. This information is vital in creating robust career pathway models that meet the needs of industry and workers. Attendees will learn how the Southwest Michigan Employer Resource Network (SWMERN) is engaging employers, the public workforce development system, and educational training providers in career pathways planning at the local level. **Deanna Khemani**, Social Policy Research Associates, Oakland, CA; **James Vander Hulst**, Disruptive Innovation for Social Change, L3C, Grand Rapids, MI; **Dallas Oberlee**, Southwest W.E. Upjohn Institute for Employment Research, Kalamazoo, MI

NSF-ATE Working With Employers Gives Students the Skills That Get Them Hired

The National Convergence Technology Center's model for engaging industry leaders uses their expertise to align curriculum with workforce needs and energizes relationships to get the support that programs need. Attendees will learn key strategies and practices and receive free tools so their graduates have the skills they need to get hired. **Ann Beheler**, National Convergence Technology Center, Frisco, TX

THURSDAY, October 11, 1:30-2:15

Featured **OCTAE Presents: Up-to-Date with DATE**

Leaders from the U.S. Department of Education's Office of Career, Technical, and Adult Education (OCTAE), Division of Academic and Technical Education (DATE) will provide the latest information about current national initiatives underway and new projects planned for the upcoming year. Finally, they will provide an opportunity for state and local practitioners to ask questions about any aspect of their CTE programs. **Robin Utz**, OCTAE, U.S. Department of Education, Washington, D.C.

Panel: State Directors of Adult Education **Innovative Career Pathway Strategies**
Position Adult Education as an Economic Catalyst

This panel of adult education state directors will share how the Workforce Innovation and Opportunity Act (WIOA) is transforming the adult education system into a key economic catalyst and vital strategic partner at the state level. *Moderator:* **Reecie Stagnolia**, Vice President for Adult Education (Kentucky Skills U), Council on Postsecondary Education, and Chair, National Association of State Directors of Adult Education (NASDAE), Frankfort, KY. *Panelists:* **Jennifer Foster**, Deputy Director for Adult Education and Workforce, Illinois Community College Board, Springfield, IL; **Sandy Crist**, State Director for Adult Education and High School Equivalency, Mississippi Association of Adult and Community Education (MAACE), Jackson, MS

Beyond Suburbia: The Delicate Balance of Access and Accountability for Rural CTE Programs

This session will outline Idaho's evolving approach to connecting students with high-quality CTE programs through an online platform in all parts of the state while maintaining its commitment to providing rewarding and meaningful CTE experiences for all students. Presenters will share lessons learned and promising practices and will offer Idaho's policy framework as a model for other states to consider. **Steve Rayborn**, **Amy Lorenzo**, Idaho Division of Career and Technical Education, Boise, ID

Bond, Build, and Bridge the Gaps: Pathways to College and Career Readiness

By providing venues for integration of academic curricula and the expectations of the workplace, technical centers can offer students challenging and life-changing pathways to college and career readiness. Attendees will learn how to maximize STEM, health sciences, and CTE cluster offerings while garnering support from business and industry, teachers, administrators, and parents. **Jill Ranucci**, Manor Independent School District, Manor, TX

Adult Career Pathways **Career Pathways for Families in Detroit: How One Non-Profit Is Making a Difference**

Southwest Economic Solutions provides supportive programs for Detroiters that include education, career navigation, financial literacy, work readiness, and training—all free of charge. As attendees examine our model and compare it to their programs, they will gain insights that will help them to create and set goals to expand their delivery for workforce and adult education programs. **Karyn Goven**, Southwest Economic Solutions, Detroit, MI

Changing Perceptions, Shaping Reality: Reimagining the Structure and Purpose of High School

How do schools create flexible, scaffolded programs leading to college credit and industry credentials and ensure buy-in from staff members and the community? Burnsville High School (enrollment 2500) has addressed this question by redefining student performance outcomes through strategies for planning, implementing, communicating, and evaluating a wall-to-wall pathway model. Reimagining the structure and purpose of high school has dramatically impacted students, enabling them to learn with purpose. **Kathy Funston, Dave Helke**, Burnsville-Eagan-Savage Public Schools, Burnsville, MN

NSF ATE College Immersion: A Unique Experience for High School Students

Indian Hills Community College and Columbia Area Career Center have jointly developed a unique college immersion experience where students stay overnight and work with college students on laboratory activities. Instructors and recruiters will learn how this partnership allows students to explore career and educational opportunities while experiencing campus life. A schedule of activities and events will be shared. **Greg Kepner**, Indian Hills Community College, Ottumwa, IA

Creating Career Connections Through a Collaborative Culture: Business and Community Partnerships

Learn how to create connections in your community to provide career experiences for students. The presenters will share success stories about their collaboration with local business chambers, the Rotary Club, higher education, parents, and middle schools. That collaboration is providing job shadowing opportunities, informational interviews, scholarships, STEM conferences, and hands-on career exploration days. **Shelli Carpenter Farquharson, Niki Rosett-Haubner**, Fairfax County Public Schools, Marshall Governor's STEM Academy, Falls Church, VA

Adult Career Pathways Instructional Resources in the Kentucky Adult Education Skills U Lesson Bank

Kentucky Adult Education Skills U has created a repository of standards-based units and lessons, aligned with College and Career Readiness Standards and Kentucky Employability Standards. The lessons emphasize contextualized instruction, critical thinking skills, information analysis, real-world applications, technology, and workplace skills. **Pamela Callahan, Sharon Johnston**, Kentucky Adult Education Skills U, Morehead, KY

Maximizing Postsecondary Opportunities for Secondary Students Through Articulated and Dual Pathway Credit

North Carolina has established a statewide high-school-to-community-college articulation agreement with CTE programs and has encouraged local agreements. Cumberland County Schools encourages CTE students to “pick up their PACE” toward college credits through the PACE initiative (Pathways for Articulated Credit Earned). This session will focus on how to set up articulation agreements between the school districts and community colleges to promote smooth student transitions and decrease duplicated efforts for students. The presenter will also discuss the dual-credit program. **Taneka Williams**, Cumberland County Schools, Fayetteville, NC

Measure Up! Measuring the Quality of Implementation of State Standards

Participants will discuss the quality of classroom instruction and how standards are being addressed and implemented in the classroom. As the state of Texas has implemented state standards, instructors must be trained, coached, and observed using the standards. DCCCD, in conjunction with the AEL Dallas Consortium, has developed a tool for walk-through observations that specifically address standards. The presenters will share the process of building the criteria for the rubric, links to informational videos created by the consortium for implementing standards, and a sample rubric template. **Monica Stansberry**, Dallas County Community College Board and AEL Dallas Consortium, Dallas, TX; **Kenneth Goffney**, Dallas County Community College District, Dallas, TX

Providing Opportunities for Women in Energy Related Careers (POWER Careers): Lessons Learned After Three Years

Leaders report on three years of an NSF ATE pilot project and share promising practices in the guidance of women from career awareness to recruitment to graduation from AAS engineering technology programs. Practices include high-touch pre-engagement, peer tutoring, counseling, and active industry and alumni involvement. Audience experiences will be sought. **Nancy Lauts**, **Lawrence Beaty**, **Jodi Johnson**, Idaho State University, Pocatello, ID

Rigorous High School Math Lessons Contextualized into Construction, Manufacturing, and Entrepreneurship

This presentation will cover the nuts and bolts of running a real successful business in high school algebra1 and manufacturing class and building real houses in high school geometry for a nonprofit. Both are happening at our high school. Attendees will participate in two activities they can use in their classrooms and will learn how to create their own. **Tom Moore**, Loveland High School, Loveland, CO

THURSDAY, October 11, 2:45-3:30

1st Place Career Pathways Award Winner

Creating Effective Education and Industry Pathways for Construction

America's construction and maintenance industries create and maintain our nation's economic vitality through a broad spectrum of industrial, commercial, and residential projects. At present, those industries are anticipating a shortage of over 1.5 million skilled craft professionals by 2019. Industry owners, contractors, and trade associations are eager to work with educational partners in implementing industry-based training that leads to industry recognized credentials and provides multiple paths to gainful employment in high-demand career fields. **Bradley A Kibbe II**, Florida Masonry Apprentice and Educational Foundation, Orlando, FL

Advocacy, It's What's for Leaders

The presenters will discuss the role of advocacy for teachers, administrators, and leaders. Learn more about ways you can navigate the world outside your classroom to connect with parents, administrators, and even policymakers as they make decisions about your program and CTE. **Amy Lorenzo**, **Steve Rayborn**, Idaho Division of Career and Technical Education, Boise, ID

Adult Career Pathways Career Pathways Requirements of WIOA

As states move ahead with the implementation of WIOA, developing career pathways is critical to their success. This session will provide an overview of the career pathways requirements of WIOA, a walk-through of the Department of Labor's Career Pathways Took Kit, and examples of successful models of career pathways from around the country. **Mitch Rosin**, Aztec Software, New York, NY

Technology Cooking Your Way to a Career: Blending Technology and Scenario-Based Learning in the Culinary Classroom

Technology, problem solving, skill sets—oh my! Participants will be exposed to a natural flow of career paths through a blend of technology and scenario-based learning in a culinary classroom. Shared ideas and examples of classroom activities will help attendees turn up the fun in their own classrooms. **Amy Cryan, Janet Meyers**, Oak Lawn Community High School, Oak Lawn, IL

NSF ATE Educator Bus Tour: Raising Career Awareness by Connecting K-12 With Industry

Learn how Columbus State Community College plans and implements full-day interactive bus tours, giving high school educators the opportunity to tour local companies in high-demand industries. Best practices in planning, project management, and communication will be shared, enabling attendees to more easily create events that connect K-12 and industry. **John Sherwood, Tara Sheffer**, Columbus State Community College, Columbus, OH

Florence City Schools Launch Career Development With Internship and Apprenticeship Opportunities

This session will provide information that will help attendees cultivate business-education partnerships that support the creation of internship and apprenticeship opportunities for students. Participants will learn that the purpose of these partnerships is to enhance the workforce development process while simultaneously equipping student employees to recognize the correlation between school and real-world applications. **Corey Behel, Leigh Anna Trimble**, Florence City Schools, Florence, AL

Integrating Professional Behaviors and Soft Skills Development in Technical Education

This session will address the need to improve the quality of students who complete technical education programs as institutions seek to produce graduates who meet the expectations of business and industry. The session is specifically relevant to audiences invested in workforce development and career success initiatives. **Monica Stewart, Bruce Fritz, Scott Lucas**, Wichita State University Tech, Wichita, KS

Lessons Learned in Leading Career Pathways Partnerships

How do career pathway partnerships really work? In Pennsylvania, four regional career pathway partnerships have been formed with help from the Pennsylvania Department of Education. Attendees to this session will take away ideas and lessons from a leader of the Berks County Career Pathways Alliance and the state project coach. **Hans Meeder**, National Center for College and Career Transitions (NC3T), Columbia, MD; **Daniel Richards**, Berks County Intermediate Unit, Reading, PA

Piedmont Community College (PCC): A Leader of Innovative Manufacturing Programs in North Carolina

Learn how Piedmont Community College, a small rural college, has developed innovative programs in advanced manufacturing through grants and employer support. Seven years ago PCC became the first North Carolina community college to deliver MSSC (Manufacturing Skills Standards Council) and Siemens training opportunities in North Carolina, providing models for delivery that are unique to the North Carolina Community System's continuing education programs. **Angela Webb, Doris Carver, Mike Cobb**, Piedmont Community College, Roxboro, NC

The High School-College Connection: Working With Your Local Community College to Provide Multiple Dual-Enrollment Opportunities

This presentation will focus on helping high schools foster a positive relationship with their postsecondary colleagues. The presenters will provide an example of a pathway that provides students the opportunity to earn an AS degree while in high school. Topics will include obstacles within the program and strategies for getting around them. **Jorge Ramos, Danielle Aguilar**, Summit Charter Collegiate Academy, Porterville, CA

Adult Career Pathways Use the MyGED® Resources to Help Adults Find Careers

The journey does not end with passing the GED®. GED Testing Service® has tools built into its MyGED® portal designed to help adults take the next steps in finding careers. Attendees will learn how to help adult students with typical life barriers utilize these resources to obtain family-sustaining wage jobs. **Rae Smith, Sharon Johnston**, Kentucky Adult Education Skills U, Frankfort, KY

Work-Based Learning: Innovations to a Classic Design

It's a perfect storm—a booming economy with a lack of technically skilled labor. Innovations in work-based learning can close the technical skills gap. Attendees will learn strategies that identify the right students, leverage advanced on-the-job training opportunities, and reinforce technical education through pathway design to calm the storm. **Tim Rall, Amanda Daniels**, GPS Education Partners, Brookfield, WI

FRIDAY, October 12, 8:15-9:00

Building a Strong Academic and Career Planning Program in a Rural School

We created our academic and career planning program to be unique to our district and students. While most schools use software, we have built our system from the ground up to fit our needs. We are now seeing results through higher graduation rates, dual-credit agreements, and work-based learning opportunities. **Jen Jackson**, Nekoosa School District, Nekoosa, WI

Career Development: A Career Tech Program for At-Risk Students With Disabilities

Career Development is a career tech program for students with disabilities. The program focuses on career exploration and strategies for capitalizing on individual strengths and interests. Programming includes credentialing, job shadowing, internships, and employment. The intended outcome is that these at-risk students will graduate and secure living-wage employment. **Sarah Waugh, Denise Giesecke**, South-Western City Schools, Grove City, OH

Collegiate High Schools: A Partnership to Enhance Student Academic and Career Pathway Options

Attendees will learn about the concept of collegiate high schools in the state of Florida, specifically the evolution of the different models involving St. Johns River State College and its local school district partners. The session will explore student eligibility and selection, communication strategies, and instructional program configurations. **Edward Jordan**, St. Johns River State College, Palatka, FL

Adult Career Pathways Council for Adult and Experiential Learning (CAEL) and Prior Learning Assessment (PLA)

This session will cover CAEL and PLA background, approaches and research, PLA quality standards, PLA value proposition; and planning and discussion. **Reetika Dhawan**, Arizona Western College, Yuma, AZ

Creating Motivators, Cultivators, and Emancipators by Using Innovative Soft-Skills-Driven Curricula

Attendees will discover how learner-centered, soft-skills-driven, and contextualized curricula in secondary and postsecondary education provide greater opportunities for students to fully engage in their learning, be vested in a growth mindset, adapt to the demands of 21st-century academics and career standards, persevere through the challenges of workforce readiness development, and secure meaningful employment. **Jennifer Martinez-Maestas, Erin Carney, Jenny Lambert-Beaty, Melissa Gonzales**, San Juan College Academic and Career Engagement Center, Farmington, NM

Adult Career Pathways First Steps Towards Success: Beginning Career Pathways Conversations in Orientation

As Integrated Education and Training and contextualized instruction solidify in adult education programs across the country, career pathway discussion finds itself at the center of many classrooms. Attendees to this session will walk away with a toolkit designed to enable them to begin career pathways integration before the classroom via conversations in orientation, ensuring that students take off on the right foot. **Susan Roberts**, SCR Consulting, Campbellsburg, KY

Jump-Start Students' Careers: Pathway Certificates of Proficiency

Following this presentation attendees will (1) know how to create this type of pathway in their districts and schools, (2) understand the importance of starting pathways in high schools, and (3) know how to develop pathways that meet industry needs. **Torrie Costantino, Kim Chiu**, Utah Valley University, Orem, UT

Marketing Your Transferable Skills

Assessing one's skills is essential for all job seekers. This workshop will provide tools designed to help job seekers, from students to seasoned professionals, assess their transferrable skills and rebrand and market those skills in ways that are relevant to potential employers and positions. **MaryAnn Verdolino**, Suffolk County Community College, Brentwood, NY

NIU Engineering at RVC: Taking Vertical Alignment to the Next Level

To develop and retain local talent, Rock Valley College (RVC) and Northern Illinois University (NIU) established a Bachelor of Science in Mechanical Engineering program at RVC's campus to facilitate seamless transition from high school to RVC to NIU to career. Learn what steps have been taken to ensure a successful program and partnership. **Gina Caronna**, Center for P-20 Engagement, DeKalb, IL; **Kelly Cooper**, Rock Valley College, Rockford, IL

Adult Career Pathways Serving Immigrant Students With the Integrated Education and Training (IET) Academy Model

Attendees will learn how to design and structure a full range of choices centered on Integrated Education and Training for immigrant students. The presenters will share ideas on how to implement contextualized lessons in their classrooms that prepare students to be successful in work-related training. **Delia Watley**, Irving Independent School District and Dallas County Community College District, Irving, TX; **Gloria Smith**, Dallas County Community College District, Dallas, TX; **Benj Sampson**, Fuel Education, Irving, TX

NSF ATE Successful Partnerships: Technician Education and Workforce Fundamentals

This session will provide examples of successful partnerships involving technical colleges, state and private workforce development organizations, and state universities. Attendees will learn best practices that will help them to recreate successful partnerships in their states. **Eddie Bennett**, Center for Workforce Development, Clemson University, Clemson, SC

Using the HSTW/TCTW Framework for Continuous Improvement and Whole-School Reform

Attendees will learn how the new High Schools That Work/Technology Centers That Work (HSTW/TCTW) Framework (consisting of nine key practices and six design principles) can be customized for continuous improvement efforts focusing on structured professional development for school improvement. The new framework places a strong emphasis on career pathways that provide students with a challenging academic core linked to high-quality CTE, blurring the lines between secondary, postsecondary, and workplace learning opportunities. **Linda Smith Floyd**, **Debra LaMothe**, Southern Regional Education Board, Atlanta, GA

FRIDAY, October 12, 9:15-10:00

Featured Achievement in Career Engagement

Attendees can expect to learn about ACE (Achievement in Career Engagement), a process of developing work-based learning skills through an endorsement program based on levels of accomplishments. Attendees will benefit from learning how ACE provides students a digital profile page to showcase skills and capabilities in the workplace. **Clabe Slone**, **Rebecca Roach**, **Jennie Sloan**, **Carla Kersey**, Kentucky Educational Development Corporation, Lexington, KY

Career Pathways Award Honorable Mention

You Can Be Both! Viewing a Law Enforcement Academy Through a STEM Lens

Reseda Charter High School's Police Academy Magnet opened in 1998. With "Preparing to Serve" as its motto, this Career Pathway's mission has remained to prepare interested students for law enforcement careers. This program also proves itself to be "STEMworthy" in the process, demonstrated through its curriculum and annual CSI event. **Alise Cayen**, Reseda Charter High School Police Academy, Reseda, CA

Building a Strong Partnership to Sustain Student Success

This session focuses on the features of partnership and strategies used to grow a solid apprenticeship readiness program for high school students through a school to work summer program. The pathway from high school to registered apprenticeship can be a daunting journey given the mixed messages, incomplete understanding of the process and commitment required to succeed. However, it's amazing the impact you can have when the right partners come together at just the right time. Join us as we share our story of strong partnerships and assist in creating new approaches for you to sustain your students' success. **Cynthia Scherphorn**, Oakland Schools, Waterford, MI

Adult Career Pathways Forging Real Intradepartmental Collaboration to Facilitate Program Success

This session will describe the evolution of a collegial relationship between a member of Kentucky Skills U's professional development team and a member of the administrative services team that provided a catalyst for powerful intra-agency collaboration. A timeline of the evolution will show how the collaborative process resulted in improved alignment of services. Innovative GED, TABE, and performance metric-aligned resources will be shared. **Lori Looney, Natalie Cummins**, Kentucky Skills U, Frankfort, KY

NSF ATE Helping Today's Students Find Their Place

If you asked students, "What does a civil engineer do?" what sort of answer would you get? Most students have probably never thought about it. This interactive session will share AB Tech's proven strategies for helping students learn about careers they have probably never even thought about, along with strategies for reaching out to ALL students. Attendees will also gain ideas and materials for increasing female enrollment in technical programs. **Jim Sullivan, Pamela Silvers**, Asheville-Buncombe Technical Community College, Asheville, NC

How to Create Win-Win Relationships with Business Partners

Are you having a hard time engaging industry and business partners? Not sure where to start when building partnerships? In this session, the presenters will share their win-win solutions for creating industry-education partnerships and how industry input is used to enhance learning and the local workforce. The presenters will also share strategies for building relationships with industry. **Rebecca Bettencourt**, E. & J. Gallo Winery, Modesto, CA; **Deborah Rowe**, Stanislaus County Office of Education, Modesto, CA; **Jeff Albritton, Rob Steves**, Modesto City Schools, Modesto, CA

Implementing Career Pathways in Vermont: Challenges and Opportunities

The presenters will explain the process of implementing career pathways as a system in the context of existing and new policies and programs that relate not only to career and technical education but also to all educational programs. Attendees will learn how that system is created using specific programs in targeted regions. **Oscar Aliaga, Jay Ramsey**, Vermont Agency of Education, Barre, VT

Integrating CTE Into Core Subjects Through Project-Based Learning

Attendees will learn proven techniques in contextualization and integration of core subjects with CTE through project-based learning. Attendees will receive contextualized units for algebra 1 and geometry. This model is more than simulations. The goal is student mastery and narrowing of the achievement gap. **Scott Burke**, Loveland High School, Loveland, CO

Adult Career Pathways SOS! Learn How WIOA Dollars Can Be an Employer

“LifeSaver”

Attendees will learn how local workforce development boards are able to assist business through WIOA employer services. Focus will be given to the WIOA federal dollars that are available to help with training costs. **Miranda Lough, Kelsie Neal**, Workforce Development Board Region 4 WV, Parkersburg, WV

Technology Surveys Your Way: Innovative Data Collection Using Google Forms and Google Sheets

GUILTY of giving pen and paper surveys and then data entering the information on the back end? Have you ever thought that creating student resumes or grading quizzes could be more automated? Learn how Google Forms and Google Sheets can be utilized in innovative ways to help you become more efficient. **Katie Mehin**, West-MEC / Western Maricopa Education Center, Phoenix, AZ

VocRehab Vermont: Expanding Career and College Readiness for High School Students With Disabilities

Attendees will learn how VocRehab Vermont and Community College of Vermont have created an innovative framework for preparing high school students with disabilities for career paths through enhanced work-based learning, college exploration, and assistive technology supports. A five-year research study will assess the impact of Linking Learning to Careers. **Richard Tulikangas, Brian Guy**, VocRehab Vermont, Waterbury, VT; **Elizabeth King**, Community College of Vermont, Montpelier, VT

FRIDAY, October 12, 10:30-11:15

Bridging Alternative Education to College Entry and Success

Join us for a game in which the players navigate the college experience from the student’s point of view. Experience the frustration of systemic hurdles, conflicting communication, and general helplessness. The presenters will demonstrate barriers to college access in alternative education while highlighting six promising practices proven to be effective in overcoming those barriers. **Amal Amanda Issa**, Career Ladders Project, Oakland, CA; **Debra DiBiase**, SIATech, Oceanside, CA

NSF ATE Development of an Education-Specific National Accreditation Program Using a National Core Curriculum

The presenter will discuss the process for developing a discipline-specific national accreditation program. Attendees will also learn about the steps that Weld Ed, an NSF National Center of Excellence, has used to develop this type of low-cost accreditation program. The program can be used as a model for other disciplines. **Mark Baugh**, Weber State University, Ogden, UT

Adult Career Pathways Impact and the Adult Literacy XPRIZE Communities

Competition

The Adult Literacy XPRIZE Communities Competition is a national challenge to expand access to education for adult learners through the use of technology. Competitors will compete in two phases to win a share of \$1M in cash prizes by distributing free, proven-effective mobile learning apps that adults—both native speakers of English and English language learners—can use anytime, anywhere to improve their literacy skills. In this presentation, attendees will have the opportunity to register as a competitor, learn how to receive free adult literacy apps, and prepare to compete for a chance to win their share of \$1 million. **Monica Groves**, XPRIZE, Culver City, CA

Rutherford Works Summer High School Internship Program: Building Industry Partnerships and Promoting Work-Based Learning

Struggling to find industry partners for your advisory boards or to engage industry personnel in your programs? This presentation highlights the success of the Rutherford Works High School Internship Program in these areas. Over the last four years the Rutherford County Chamber of Commerce has been connecting industry and education to produce meaningful outcomes in career exploration, pathway development, and youth employment. The internship program is a best practice in building partnerships and community engagement for a meaningful (and profitable) work experience for rising seniors. **K. Beth Duffield, Tyra Pilgrim**, Rutherford County Chamber of Commerce, Murfreesboro, TN

Revitalizing STEM Education through MAGNET's Early College, Early Career Youth Manufacturing Apprenticeships

Storytelling Come hear about MAGNET's ECEC program, a groundbreaking manufacturing pre-apprenticeship focused on helping inner-city and rural high school students connect to long-term, rewarding careers in manufacturing. By weaving together eight critical programmatic elements, ECEC offers a replicable, scalable solution that is revitalizing STEM education in Northeast Ohio. **Ethan Karp, Autumn Russell**, MAGNET: The Manufacturing Advocacy and Growth Network, Cleveland, OH

Storytelling and Voting with Your Feet: Creative Contextualized Instruction

This session will provide techniques for engaging students in class along with strategies for addressing oral, verbal, kinesthetic, and emotional learning—all while keeping the learning contextual and fun. Physical participation is required, so attendees should come prepared. **Jim Utterback, Deborah Nash-Utterback**, Palm Beach County School District, Boca Raton, FL

Adult Career Pathways Integrated Training Programs in Ohio's In-Demand Careers: Preparing Students for High-Wage Jobs Through Stackable Credentials

Penta Career Center offers stackable and marketable credentials that help students move into high-wage jobs. Participants will learn how to enhance traditional face-to-face technical training and integrate contextualized learning designed to improve literacy, numeracy, and soft skills. **Jessica Arbuckle, Pamela Martin**, Penta Career Center, Perrysburg, OH

Where Uber Meets Successful Career Coaching

Virtual coaching services that leverage 21st-century technology-based communication tools not only enhance career coaching services but can make a significant impact in supporting individuals on their career pathways. Join Mentored and Dynamic Works Institute to get a first-hand look at new ways to change service delivery across the country. These exciting models work across all populations including veterans, youth, individuals with disabilities, rural, low-income, and those reentering the workforce. **Terri Leisten**, Dynamic Workforce Solutions, Colleyville, TX; **Gena Leisten**, Dynamic Workforce Solutions, Waukesha, WI; **David Garza**, Mentored, Englewood Cliffs, OH

Adult Career Pathways | Managing Change: The Human Capital Side of Change Management

Reauthorization of the Workforce Innovation and Opportunity Act (WIOA) and its ripple effects (e.g., legislation, regulation, policy) have amplified the need for change management. One of the most important aspects of managing change is supporting staff/employees. The session will investigate change management frameworks and focus on best practices (e.g., effective coaching, communication) and overcoming challenges associated with change management and people. **Jacqueline Korengel**, Kentucky Skills U, Kentucky Council on Postsecondary Education, Frankfort, KY

Worksite Visits to Internships: The LA HI-TECH/Snap Inc. Case Study

Presenters will explore the role of workforce intermediaries and projects co-designed with industry, and share how a strong partnership is changing the tech industry. Participants will take home a real-life example of the evolution of a partnership that began with a career fair and led to a redesigned internship program. **Sherry Shojaei**, Career Ladders Project, Oakland, CA; **Lindsey Heisser**, Bixel Exchange, Los Angeles, CA

FRIDAY, October 12, 11:30-12:15

Advanced Robotics for Manufacturing (ARM): An Introduction and Call to Action

ARM is the leading catalyst of robotics innovation and expertise, accelerating growth in U.S.-based manufacturing and high-value careers. Strategically solving technological challenges in robotics, preparing a skilled workforce, and creating a supportive ecosystem will enable the United States to regain manufacturing dominance and reshore many essential industries. Workforce is key! **Stephen Catt**, Advanced Robotics for Manufacturing (ARM), Pittsburgh, PA

Career Pathway Program in Healthcare: Do Partners Have Common Goals?

High schools have many students interested in healthcare careers, and most medical centers have many open positions in healthcare that are difficult to fill. The basic foundation of a partnership for building a pathway into these careers is obvious. But do all partners have common goals? In 11 years of building such a pathway at our medical center, we have learned (often the hard way) where agendas intersect and where they sometimes diverge. **Peter Blain**, Baystate Medical Center, Springfield, MA

Adult Career Pathways Contextualize Your Class: Developing Relative Integrated Education and Training (IET)

Attendees will be provided easy-to-use methods of contextualizing their courses. In today's adult education setting, creating effective contextualization is the key to IET success. Participants will take away educational tools for immediate use in their programs. **Trey Daniel**, Education Service Center 6, Huntsville, TX

Externship Toolkit to Share

Does your professional development program need a makeover? Look no further! This time-saving session will provide you with an Externship Toolkit containing all the planning information, forms, marketing ideas, and activities needed to start your program today. All stakeholders—employers, coordinators, teachers, and others—are invited to attend. See you there! **Linda Cox**, William S. Hart Union High School District, Santa Clarita, CA

From Summer Camper to College Student: Program Pathways for Youth

The Southern Alberta Institute of Technology (SAIT) in Calgary, Alberta, has developed a youth engagement strategy in which children and youth begin their journeys of career and program exploration as young as the 4th grade. Learn about how SAIT's summer camps program engages youth in career and program exploration well before they have completed high school and how this program serves the institution's overall enrollment strategy. Best practices in programming, pathway development, alignment to postsecondary programs, and student tracking will be discussed. **Rozlynn Wick**, Southern Alberta Institute of Technology, Calgary, AB, Canada

Adult Career Pathways Don't Be Humble! Share the Success of Your Adult Students

Adult education students have some of the most inspiring stories around. One of the best ways to promote your program is to make personal connections and highlight student success. Share the good news! It's time to shine and let others know how your program is making a difference! **Melissa Lachcik, Michelle Lyman, Libby Budd**, Joliet Junior College, Joliet, IL

Kentucky Is Getting on TRACK with Youth Apprenticeship in Automotive!

The Tech Ready Apprentices for Careers in Kentucky or TRACK Youth Apprenticeship program has been recognized as a top best-practice model in the country! Find out what partnerships are necessary to replicate in your state and discover the benefits for employers, students and districts. Also learn about how Kentucky is providing a solution to the worker's compensation barrier for employing 16- and 17-year-olds. Hear from an automotive employer and apprentice about their success with an automotive technician apprenticeship! **Mary Taylor**, Kentucky Department of Education Office of Career and Technical Education, Frankfort, KY; **Johnny Pittman**, Oxmoor Auto Group, Louisville, KY

Quest Summer Youth Program

Come learn about Indian River State College's Quest Summer Youth Program, where students ages 14–16 spend three weeks exploring career clusters to identify their career interests. Participating students use technology tools to access and research career information and tour facilities in the areas of public safety, biotechnology, digital media, fine arts, E-learning, and health science. The students' increased career awareness aides them in planning their futures. **Lila White**, Indian River State College, Fort Pierce, FL