



The 7th Annual National Career Clusters Institute

**Career Clusters:
The Building Blocks of Change**

June 15-17, 2009 ■ Omni Hotel ■ Fort Worth, Texas



General Information

Answer Desk

An Answer Desk will be available within the Registration Desk located in the 2nd Floor Texas Ballroom Foyer.

Book Signing

Stedman Graham will be available to sign copies of his books immediately following the Closing Session of the Institute, in the Texas Foyer from 12:00 pm to 1:00 pm.

Evaluations

Your evaluation of the 2009 Career Clusters Institute is critical to planning future conferences. Please be sure to complete the overall conference evaluation included in your packet as well as the forms available in each breakout room.

Internet Access

Internet service is available in the guest rooms for \$9.95 daily. Free Internet service is available on the first floor hotel lobby.

Letter of Attendance

While the Institute does not provide CEU credits, if you need a letter stating you attended the Institute, please check with the Answer Desk.

Lost and Found

All articles found will be held at the Registration Desk.

Meals Provided

Institute registration fees include the following:

Continental Breakfasts

Tuesday • 7:00 am – 8:00 am • Texas Foyer

Wednesday • 7:00 am – 8:00 am • Texas Foyer

Institute Luncheon

Tuesday • 11:45 am – 12:45 pm • Texas E/F



Your name badge is your ticket to all institute meals and functions.

Message Board

A board will be provided outside the Registration Desk for Institute Updates as well as personal messages. You may pick up or leave messages at any time during the Institute.

Name Badges

Name badges are required at all Institute sessions and events including the evening reception. Lost name badges may be replaced at the Registration Desk.

Registration

Pre-Session Registration

Located at the Registration Desk:

Sunday • 7:30 am – 1:00 pm • Texas Ballroom Foyer

General Institute Registration

Located at the Registration Desk as follows:

Monday • 8:30 am – 5:00 pm • Texas Ballroom Foyer

Tuesday • 7:00 am – 3:15 pm • Texas Ballroom Foyer

Wednesday • 7:00 am – 9:00 am • Texas Ballroom Foyer

Sponsor Exhibits

Sponsor exhibits are displayed near the Registration Desk as follows:

Monday • 7:00 am – 5:00 pm • Texas Lobby

Monday • Reception: 5:00 – 7:00 pm • Texas Lobby

Tuesday • 7:00 am – 5:00 pm • Texas Lobby

Transportation

Shuttle Service

Airport shuttle service is available for \$17 one way. Super Shuttle • (800) 258-3826

Taxi Service

Yellow Cab • (817) 426-6262

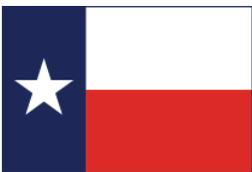
Executive Cab • (817) 877-1212



As a courtesy to others, please turn off cell phones and pagers during all sessions!

Thank you!

Institute at a Glance	4
Session Planner	5
Pre-Institute Sessions	6
Fort Worth Omni Floor Plans	8
Crosswalk Matrix of Breakout Sessions	10
Institute Schedule	13
Career Cluster Strands	14
Session A	14
Session B	16
Session C	19
Session D	21
Session E	23
Session F	24
Session G	27
Session H	28
Institute Sponsors	31
Alphabetical Listing of Presenters	32



Thank you!

The Planning Committee for the 7th Annual National Career Clusters Institute would like to take this opportunity to extend a very special "Thank You" to the Great State of Texas for hosting this event and to the Fort Worth Chamber of Commerce for assisting with staffing!

Institute at a Glance



Sunday ▪ June 14

8:00 am – 6:30 pm **Pre-Institute Sessions** See Program Details
All Pre-Institute Sessions are pre-registered

Monday ▪ June 15

8:30 am – 5:00 pm **Registration** 2nd Floor Texas Ballroom Foyer
8:30 am – 12:00 pm **Pre-Institute Sessions** See Program Details
All Pre-Institute Sessions are pre-registered
1:00 pm – 2:30 pm **Opening General Session** Texas E/F
2:30 pm – 2:45 pm **Institute Break** Texas Foyer
2:45 pm – 3:45 pm **Session A: Concurrent Breakouts** See Program Details
4:05 pm – 5:05 pm **Session B: Concurrent Breakouts** See Program Details
5:05 pm – 6:15 pm **Reception and Vendor Display** Texas Foyer

Tuesday ▪ June 16

7:00 am – 3:15 pm **Registration** 2nd Floor Texas Ballroom Foyer
7:00 am – 8:00 am **Continental Breakfast** Texas Foyer
8:00 am – 9:00 am **General Session** Texas E/F
9:20 am – 10:20 am **Session C: Concurrent Breakouts** See Program Details
10:20 am – 10:40 am **Institute Break** Texas Foyer
10:40 am – 11:40 am **Session D: Concurrent Breakouts** See Program Details
11:45 am – 12:45 pm **Institute Luncheon** Texas E/F
1:00 pm – 2:00 pm **Session E: Concurrent Breakouts** See Program Details
2:00 pm – 2:20 pm **Institute Break** Texas Foyer
2:20 pm – 3:20 pm **Session F: Concurrent Breakouts** See Program Details
3:20 pm – 4:30 pm **Focus on Career Clusters** See Program Details

Wednesday ▪ June 17

7:00 am – 9:00 am **Registration** 2nd Floor Texas Ballroom Foyer
7:00 am – 8:00 am **Continental Breakfast** Texas Foyer
8:00 am – 9:00 am **Session G: Concurrent Breakouts** See Program Details
9:20 am – 10:20 am **Session H: Concurrent Breakouts** See Program Details
10:20 am – 10:40 am **Institute Break** Texas Foyer
10:40 am – 12:00 pm **Closing General Session** Texas E/F

NOTE: During each breakout session a meeting room will be available for State Teams to meet privately. If you have not reserved a room, please check at the Registration Desk for availability.

Monday, June 15

Session Number and Preferred Selections		Session Titles/Presenters/NOTES
A Sessions 2:45 pm – 3:45 pm	Option 1	
	Option 2	
B Sessions 4:05 pm – 5:05 pm	Option 1	
	Option 2	

Tuesday, June 16

Session Number and Preferred Selections		Session Titles/Presenters/NOTES
C Sessions 9:20 am – 10:20 am	Option 1	
	Option 2	
D Sessions 10:40 am – 11:40 pm	Option 1	
	Option 2	
E Sessions 1:00 pm – 2:00 pm	Option 1	
	Option 2	
F Sessions 2:20 pm - 3:20 pm	Option 1	
	Option 2	

Wednesday, June 17

Session Number and Preferred Selections		Session Titles/Presenters/NOTES
G Sessions 8:00 am – 9:00 am	Option 1	
	Option 2	
H Sessions 9:20 am – 10:20 am	Option 1	
	Option 2	



Toss your business card into our bowl at the registration desk and win a night's hotel stay at the 2010 Denver Colorado Institute!

Pre-Institute Sessions *(Pre-registration required)*



Pre-registration is required for all Pre-Institute Sessions. Limited signup is available; check at the Answer Desk for details.

Sunday • June 14

8:00 am – 4:30 pm	<i>Career Pathways Leadership Certification Workshop</i> (Two Step Process for Certification – See Monday) Hosted by CORD	Texas H
8:00 am – 12:00 pm	<i>Career Academies: Think Them Through, Get Them Going, Make Them Happen</i> Hosted by Bright Futures Press	Texas G
8:30 am – 4:00 pm	<i>Developing a Program of Study</i> Hosted by Benson Consulting	Texas I
8:30 am – 6:30 pm	<i>Building a Health Science Program from the Ground Up</i> Hosted by Michigan Health Council	Texas J
1:00 pm – 5:00 pm	<i>Sticky Learning: Make It Real by Engaging Students in Project-Based Learning</i> Hosted by Bright Futures Press	Texas G
1:00 pm – 3:30 pm	<i>Pathway Assessments: The Experience of Ten States</i> Hosted by NOCTI and The Whitener Group	Texas B
1:00 pm – 3:30 pm	<i>Career Clusters 101</i> Hosted by States' Career Clusters Initiative	Texas C

Pre-Institute Sessions *(Pre-registration required)*

Pre-registration is required for all Pre-Institute Sessions. Limited signup is available; check at the Answer Desk for details.

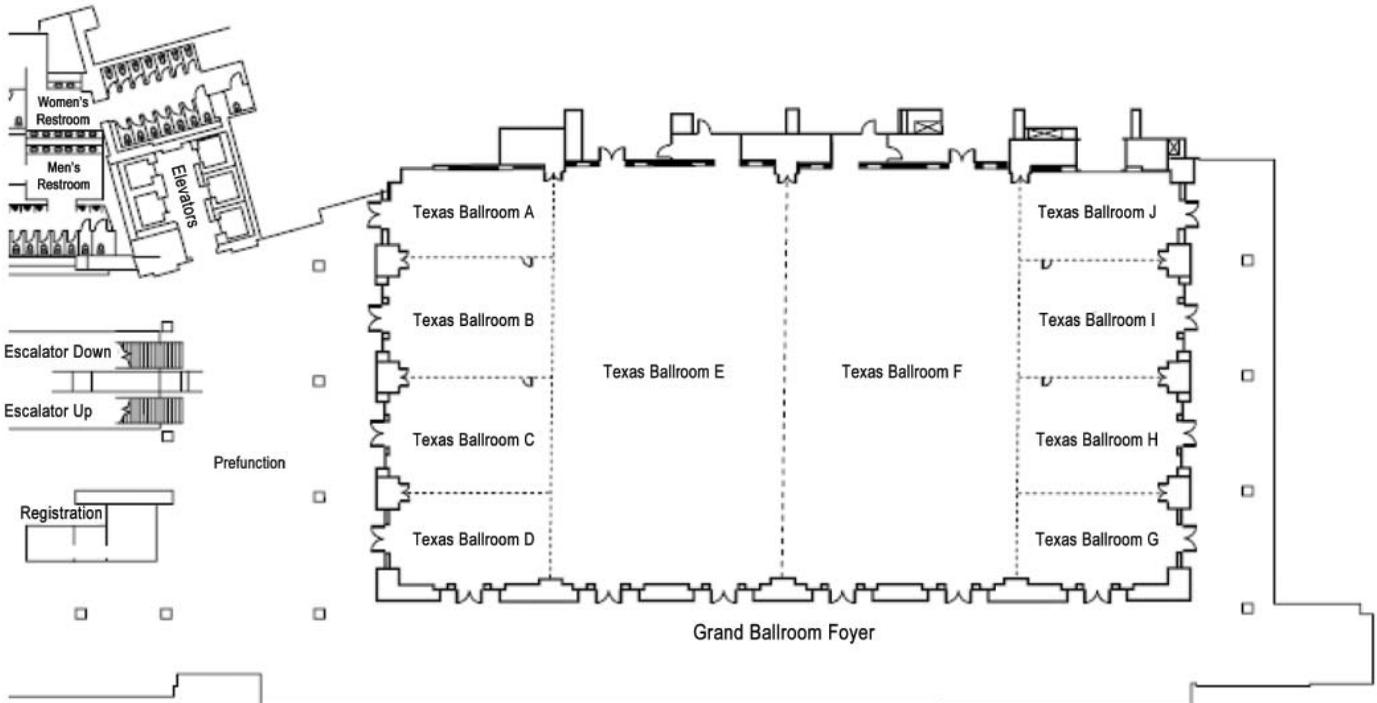
Monday • June 15

8:30 am – 12:00 pm	<i>Building Stronger Business / Marketing Programs</i> Hosted by MBAResearch	Texas G
8:30 am – 12:00 pm	<i>Engage Your Students in Rigorous and Relevant Learning Through the Project Lead The Way® Pathway to Engineering™ and the New Biomedical Sciences™</i> Hosted by Project Lead The Way, Inc.	Texas I
9:00 am – 11:00 am	<i>Career Pathways Leadership Certification Workshop</i> Hosted by CORD	Texas H
9:00 am – 11:30 am	<i>Using Career Clusters to Give Meaning to Academic Integration: Law & Public Safety, An American Careers Program</i> Hosted by American Careers Educational Programs	Texas A
9:00 am – 11:30 am	<i>Career Clusters 201</i> Hosted by States' Career Clusters Initiative	Texas C

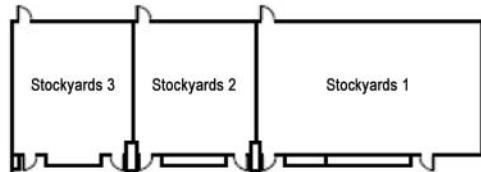
The States' Career Clusters Initiative is currently providing leadership for the following clusters:



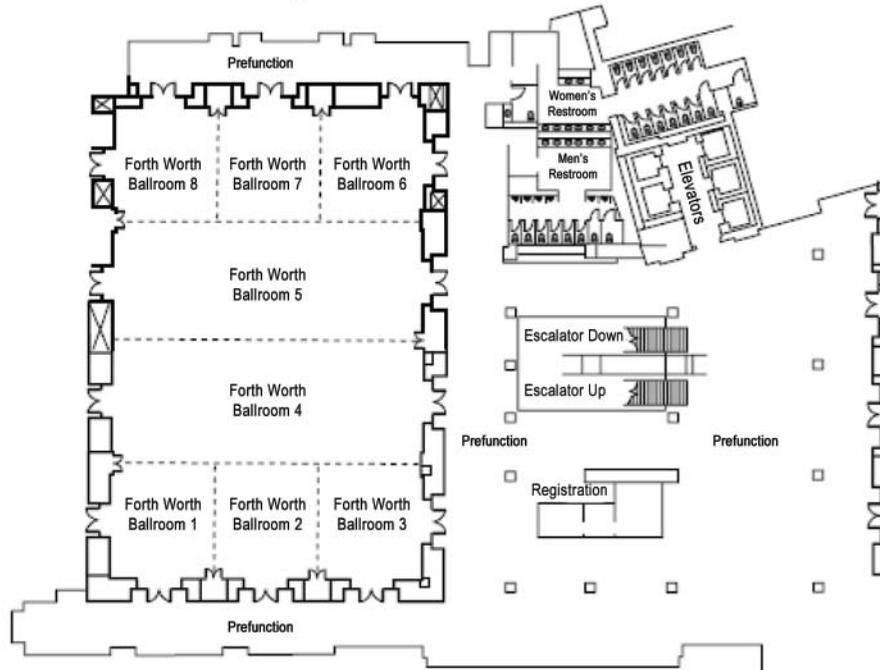
Fort Worth Omni Floor Plan

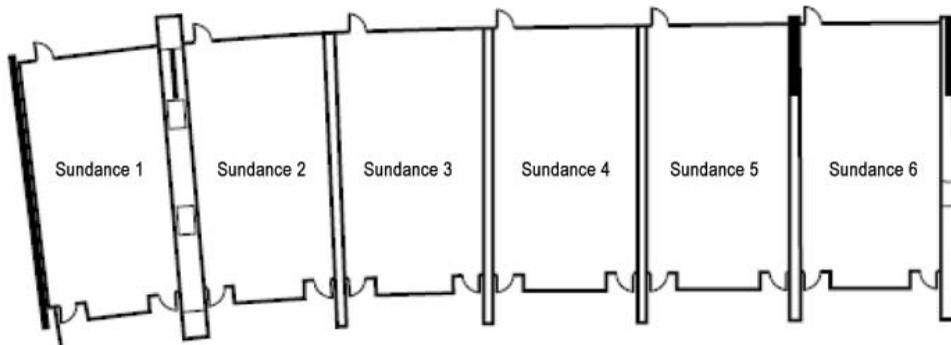


2nd Floor Texas Ballroom

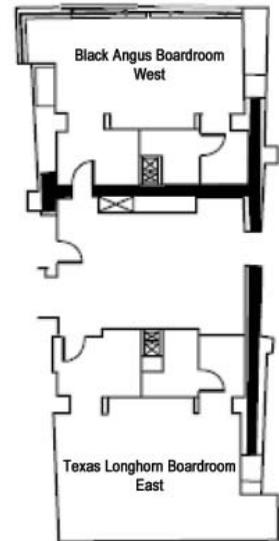


2nd Floor Stockyards Rooms





3rd Floor Sundance Rooms



Crosswalk Matrix of Breakout Sessions

15 Critical Components of Career Clusters' Implementation

Administrative Support	Shared Planning	Career Development	Professional Development	Standards-Based Curriculum	Parent & Community Support	Education Partnerships	B&I Partnerships	Multi-Measure Assessment	Interdisciplinary Teams	Flexible Schedules	Integrated Curriculum	Creative & Innovative Teaching Strategies	Workplace Learning	Student-Centered Learning	PROGRAM SESSION NUMBER	Breakout Session Title
■		■		■		■	■							■	A1	Developing Rural Career Academies: Maximizing Community Resources for Future Economic Growth , Erika Volker
■		■				■	■								A2	Tools to Develop Career Academies in the 21st Century , Constance Scotchel-Gross
		■	■								■	■			A3	Cluster-Based Web Resources for K-12 Classrooms , Lynne Cagle Cox, Mike Gentry
■	■			■		■	■								A4	State Legislative Concept to Classroom Reality—Wyoming's Program of Study Demonstration Project , Tom Martin, Teri Wigert, Guy Jackson, Jim Schoelkopf
		■	■												A5	A Historical Perspective of Career Clusters , Ronald McCage
	■								■		■				A6	Integration of Academics into Programs of Study , Donna Pearson
	■	■	■	■	■	■	■	■	■		■	■	■	■	A7	How STEM Cluster Programs Bring Together Career Academics, Business and Industry Partnerships, and Professional Development to Enhance School Improvement and Instructional Innovation , Patrick Leaveck
	■	■	■	■	■	■	■	■	■		■	■	■	■	A8	Creating a Program of Study in Health Science with the new Project Lead The Way® Biomedical Sciences™ Program , Terri Schulz
	■	■			■	■	■				■		■		B1	Career Clusters: Calibrating Regional Workforce Supply and Demand , Cynthia Fisher Miller, Dan Belcher, Judy Bell
		■		■					■		■	■			B2	Technical Communication: Rigor and Relevant Writing in Both the Technical and Academic Classrooms , Carol Larkin (Repeated in F3)
		■	■	■		■								■	B3	AchieveTexas Best Practices: Counselors Meeting the Challenge of Student Advising Correlated with Career Cluster Implementation , Teresa Brock
														■	B4	A Student Panel Discussion: Preparing for My Future Through Career Clusters , Lena Trujillo-Chavez
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	B5	ABCs of Career Clusters , Seth Derner, Doug Kueker, Shelli Wyckoff
■		■	■	■	■	■	■			■	■		■	■	B6	CTE Programs of Study Role in College, Careers, and Tennessee's New Graduation Requirements , Will Lewis, Sue Tucker
			■	■		■	■	■			■		■		B7	The Law, Public Safety, Corrections and Security Career Cluster—An Update , Joseph Coffee, John Davidson, Kevin Jacobson
		■					■					■	■		B8	Interfacing Career Cluster Programs in Schools with the IT Community and IT Skill Standards , Gretchen Koch, Scott Horan
	■	■	■	■	■	■	■						■	■	C1	Army National Guard: Your Partner in Career Education , Scott Farrell, Ray Davis (Vendor)
		■					■								C2	Let Workforce Work for You! , Gwen Davis, Jenna Akridge, Al Lopez
	■	■				■								■	C3	Focus on the Future: Aligning Middle School and High School Test Interpretation with Career Advisement , Tammy Barnes, Joyce Coyle, Beth Henderson
■		■									■				C4	Building a Stronger Future by Connecting Education Plans to Career Clusters and Pathways , Sarah Wroblewski, Jayne McFarland, Jean Smith
■						■	■				■				C5	Building an Online Program of Study Template and Perkins Web Application , Melissa Lomax, Tony Korwin, Brian Salter
	■		■	■					■		■	■		■	C6	Planning for Successful Curriculum Integration , Paula Hudis (Repeated in E2)

Crosswalk Matrix of Breakout Sessions

15 Critical Components of Career Clusters' Implementation

Administrative Support	Shared Planning	Career Development	Professional Development	Standards-Based Curriculum	Parent & Community Support	Education Partnerships	B&I Partnerships	Multi-Measure Assessment	Interdisciplinary Teams	Flexible Schedules	Integrated Curriculum	Creative & Innovative Teaching Strategies	Workplace Learning	Student-Centered Learning	PROGRAM SESSION NUMBER	Breakout Session Title
■			■	■		■	■				■				C7	Ensuring Rigorous Programs of Study Through Statewide Articulation Agreements: A Panel Discussion , Gisela Harkin, Donna Elmore, Kim Runion, Erika Volker, Barbara White
			■	■											C8	Measuring the Effects of a Curriculum Intervention on Eighth Graders' Interests in Manufacturing Careers , Bridget Duncan
															D1	A National Perspective: The Future is Now for CTE , Dave Buonora
		■	■												D2	The Changing Role of the Counselor , Gisela Harkin Donna Vrbka
■	■	■					■				■		■	■	D3	How Career Clusters Support the Linkage Between Career Academies and Career and Technical Education , Daniel Smith
■		■													D4	Achieving the Achieve Texas Pathways While Improving the 1-2-3 CTE Coding Through Automation , Sarah Wroblewski, Jayne McFarland
				■				■			■				D5	Introduction to the National Career Clusters Knowledge and Skill Statements , Seth Derner, Doug Kueker
■															D6	Implementing Programs of Study: Issues and Possible Solutions , James Stone III
	■	■				■	■					■	■	■	D7	Scrubs Camp: An Innovative Approach for Introducing the Health Science Career Cluster to Students, Instructors, Parents, Administrators, Counselors, and Business and Industry , Shelby Frame
	■		■	■		■	■	■			■	■	■	■	D8	Attracting College-Oriented Students via Business-Based Clusters , Tina McCann, Amanda Johnson
■						■	■								E1	FutureForce and Partnerships for Innovation: How Nebraska is Coordinating Career Clusters Statewide , Matt Hastings, Erika Volker
	■		■	■				■			■	■		■	E2	Planning for Successful Curriculum Integration , Paula Hudis (Repeated Session)
■		■	■			■								■	E3	AchieveTexas: Best Practices for Local Implementation of Career Clusters , Karen Alexander
											■	■		■	E4	Integrating Academics Now , Jack Elliott
■			■	■		■						■		■	E5	SCCI Tools to Assist in Local Career Clusters Implementation , Seth Derner, Doug Kueker
■	■	■	■	■	■	■	■		■		■	■	■	■	E6	Implementing and Maintaining the Career Focus Throughout the School and the Individual Classroom , Marty Faulkner (Repeated in F2)
■	■	■		■	■	■	■				■			■	E7	Implementing National Ag Ed Content Standards , David Hall, Steve Brown, Nancy Hall
			■												E8	Promoting Career Clusters for 21st Century Skills: A State-Wide Professional Development Program for School Counselors and Career Guidance Professionals , Kelly Duncan, Tobin Bakkedahl
	■	■				■	■								F1	Collaboration Between Education and Military: Using Career Clusters as a Model to Coordinate Career Exploration Efforts , Denise Lawson, Gisela Harkin, Kriza Jennings
■	■	■	■	■	■	■	■		■		■	■	■	■	F2	Implementing and Maintaining the Career Focus Throughout the School and the Individual Classroom , Marty Faulkner (Repeated Session)
	■			■					■		■	■			F3	Technical Communication: Rigor and Relevant Writing in Both the Technical and Academic Classrooms , Carol Larkin (Repeated Session)
				■							■			■	F4	Tools for Curriculum Development: Linking Clusters to Courses and Programs , Robin Nickel

Crosswalk Matrix of Breakout Sessions

15 Critical Components of Career Clusters' Implementation

Administrative Support	Shared Planning	Career Development	Professional Development	Standards-Based Curriculum	Parent & Community Support	Education Partnerships	B&I Partnerships	Multi-Measure Assessment	Interdisciplinary Teams	Flexible Schedules	Integrated Curriculum	Creative & Innovative Teaching Strategies	Workplace Learning	Student-Centered Learning	PROGRAM SESSION NUMBER	Breakout Session Title
■	■		■					■							F5	Improving Programs of Study: Early Findings from a National Research Center Study on Use of Assessment Data , Sandra Pritz
			■	■				■			■				F6	Aligning Outcomes, Curriculum, and Assessments Using Webb's Alignment Tool , Seth Derner, Doug Kueker
											■	■	■	■	F7	Using Problem-Based Scenarios to Engage & Motivate IT Skill Development in Career Clusters , Joyce Malyn-Smith, Linda Scott
■							■								F8	Using Labor Market Information and Student Career Inventories in Career Cluster Pathway Development , Marie Hall, Peggy Torrens
		■			■	■	■								G1	Alabama SUCCESS: Supporting Career Cluster Education for Students System - A Collaboration Between Secondary and Postsecondary, Sponsored by Tech Prep , Mary Simon, Philip Cleveland
■		■	■												G2/H2	TWO-PART WORKSHOP The Basics of Career-Based School Reforms: SLCs, Academies, and Career Clusters , Mike Gross
■	■	■	■	■			■								G3	Standards-Based Curriculum: Aligning State Career and Technical Education Standards to the Revised Career Cluster Standards , Diane Salazar, Ron Whitson, Kathy Park
	■										■				G4/H4	TWO-PART WORKSHOP Successful Student Transitions Through Programs of Study , Dennis Harden, Michelene Moeller, Cindy Phillips
■			■	■							■				G5	Using Career Clusters Knowledge and Skill Statements to Shape Programs of Study , Seth Derner, Doug Kueker
		■		■			■								G6	Architecture and Construction Cluster: Implementation of Industry Partnerships , Ed Prevatt
		■				■	■								G7	Education and Business Collaboration: The Building Blocks for Change , Scott Vandever, Angie Overton (Vendor)
■				■								■		■	G8	The How and Why of Automotive Training Online , Paul Fraser (Vendor)
							■								H1	Making Programs of Study Meaningful for the Workplace , Valerie Taylor
															H2	PART TWO OF G2 WORKSHOP
■	■				■	■				■	■	■	■	■	H3	Models of Innovation: Microsoft Partners in Learning Sites Find Success Using Career Clusters , Seth Derner, Doug Kueker
															H4	PART TWO OF G4 WORKSHOP
■	■	■	■	■		■		■			■	■		■	H5	STEM Transitions: Enhancing Mathematics and Science Rigor Through Evidence-Based Curriculum Projects , Ellen Holland, Ann-Claire Anderson, Steve Brown
			■			■	■								H6	Aligning Clusters and Courses with College Programs of Study: Seamless Transition Tools and Templates , Paula Cavender, Cindy Powell
		■									■			■	H7	Simplifying Career and Course Planning with Career Cruising and Career Clusters , Cindy Wong (Vendor)

Registration

2nd Floor Texas Ballroom Foyer

8:30 am – 5:00 pm

Opening Session

Texas E/F

1:00 pm – 2:30 pm



Keynote Speaker:

Dr. Belle S. Wheelan

President of the Commission on Colleges of the Southern Association of Colleges and Schools – Decatur, Georgia

Session Moderator:

Dr. Ronald D. McCage

Executive Director, VTECS – Decatur, Georgia

From the varied perspectives as president of one of the largest community colleges in the country, a state Secretary of Education, the head of a regional postsecondary accrediting body, and as a parent, Dr. Wheelan has firsthand knowledge of how career technical education programs change the lives of students. Dr. Wheelan will reflect on her experiences in these roles and provide attendees with insights as to how CTE creates change for the better, and she will share lessons she has learned that attendees can apply to their own states and localities.

Dr. Wheelan currently serves as President of the Commission on Colleges of the Southern Association of Colleges and Schools and is the first African American and first woman to serve in this capacity. Her career spans 35 years and includes the roles of faculty member, chief student services officer, campus provost, college president and Secretary of Education.

Dr. Wheelan received her Bachelor's degree from Trinity University in Texas with a double major in Psychology and Sociology; her Master's from Louisiana State University in Developmental Education Psychology; and her Doctorate from the University of Texas at Austin in Education Administration with a special concentration in community college leadership.

She has received numerous awards and recognition including four honorary degrees, the Distinguished Graduate Award from both Trinity University and the College of Education at the University of Austin, and the AAUW Woman of Distinction Award. She was featured in *Washingtonian Magazine's* 100 Most Powerful Women in Washington, DC.

Dr. Wheelan attributes her success to hard work, endurance, tenacity, and being in the right place at the right time. She recognizes that prayer and support from family and friends make anything possible.

Institute Break

Texas Foyer

2:30 pm – 2:45 pm



Career Cluster Strands

Career Clusters as a Model for Collaboration

This strand is designed for state/regional system leaders of education, workforce development, economic development, CTE, and postsecondary systems.

Career Clusters as a Tool for School Reform and Improvement

This strand is designed for district/system administrators, counselors, and general education teachers.

Career Clusters and Programs of Study

This strand is designed for state/district administrators and teachers.

Career Clusters – Specific Instruction and Implementation

This strand is designed for state/district administrators and teachers.

Vendor Sessions

Selected institute sponsors host vendor sessions throughout program.

CCI would like to recognize and thank our Cluster Leaders for their support:



Larry Case

National Council for Agricultural Education



Deanna Lewis

Home Builders Institute



Ron McCage
VTECS

Concurrent Breakouts: Session A

2:45 pm – 3:45 pm

A1

Sundance 1

Developing Rural Career Academies: Maximizing Community Resources for Future Economic Growth

Career Academies have seen exponential growth in urban and suburban communities, but what about opportunities for students in rural schools? This presentation will walk participants through how to develop career academies for smaller communities while maximizing existing career and technical education programs and supporting local economic development initiatives.

Ms. Erika Volker • Administrative Director, Partnerships for Innovation – Nebraska

A2

Sundance 2

Tools to Develop Career Academies in the 21st Century

The presentation will describe how the school district of Palm Beach County has become a leader in high school reform by redesigning their Career Technical Education programs into career academies. This presentation will describe how to strategically plan and provide professional development to become an exemplary career academy district. This transformation has been accomplished through the cooperation and dedication of the business community, and parents, as well as the school-based and district level personnel.

Mrs. Constance Scotchel-Gross • Manager, Career Education, School District of Palm Beach County – Florida

A3

Sundance 3

Cluster-Based Web Resources for K-12 Classrooms

This session will provide an overview of a variety of resources available from the University of North Texas Career and Technical Education website. Tools and materials for elementary, middle, and secondary programs will be highlighted.

Mrs. Lynne Cagle Cox • Curriculum Coordinator, University of North Texas – Texas

Mr. Mike Gentry • Curriculum Coordinator, University of North Texas – Texas

A4

Texas C

State Legislative Concept to Classroom Reality— Wyoming’s Program of Study Demonstration Project

Wyoming’s legislatively sponsored CTE Program of Study Demonstration project calls for the redesign of career and technical education. State staff have seized the opportunity to use this mandate for the development of Career Clusters and program of study implementation models. The presentation will describe steps from concept to local-level implementation.

Ms. Teri Wigert · CTE State Director, Department of Education – Wyoming

Mr. Guy Jackson · Project Director, CTE Demonstration Project, Department of Education – Wyoming

Mr. Tom Martin · CTE Section Supervisor, Department of Education – Wyoming

Mr. Jim Schoelkopf · Senior Research Associate, MPR Associates, Inc. – Oregon

A5

Texas A/B

A Historical Perspective of Career Clusters

This presenter has lived and worked through two different periods of time during which the Career Clusters concept was developed and promoted. The first period was during the mid- to late 1970’s when the U.S. Commissioner of Education, Mr. Sydney P. Morland, promoted the concept of Career Clusters. The second was from the mid-nineties forward, during which time he was directly involved in Career Clusters as a part of the education movement as well as the national school-to-work skill standards movement. He will share what worked and what didn’t, and hopes we don’t make the same mistake twice.

Dr. Ronald McCage · Executive Director, VTECS – Georgia

A6

Texas I

Integration of Academics into Programs of Study

As programs of study are crafted, opportunities abound for integration at the curricular level. This session will address some of the issues and challenges of integration and discuss curriculum mapping as a possible strategy to assist the development and implementation of programs of study.

Dr. Donna Pearson · Associate Director, NRCCTE – Kentucky

A7

Stockyards 1

How STEM Cluster Programs Bring Together Career Academics, Business and Industry Partnerships, and Professional Development to Enhance School Improvement and Instructional Innovation

As a not-for-profit organization, Project Lead The Way, Inc. helps schools across the country implement a high school STEM program and a middle school technology program. The PLTW program has a fully developed curriculum at both the high school and middle school level that is free to schools.

Mr. Patrick Leaveck · Director, Project Lead the Way – Michigan

A8

Texas H

Creating a Program of Study in Health Science with the new Project Lead The Way® Biomedical Sciences™ Program

The Project Lead the Way® Biomedical Sciences™ program integrates math, science, language arts, and technology with health standards, team work, problem-solving and communication skills to engage and challenge students in real-world problem solving. It is a wonderful introduction to numerous career opportunities in the medical field. The program is designed to augment the high school science and math college preparatory programs to establish a solid background in biomedical science.

Ms. Terri Schulz · Director of State and Corporate Relations, Project Lead the Way – Indiana

CCI would like to recognize and thank our Cluster Leaders for their support:



Barb Orwig
Career Communications, Inc

Concurrent Breakouts: Session B

4:05 pm – 5:05 pm

B1

Sundance 1

Career Clusters: Calibrating Regional Workforce Supply and Demand

Leaders representing a Chamber of Commerce, a Workforce Board, and an Education Service Center will describe collaborative strategies to stimulate workforce supply in the Dallas/Fort Worth region's high-growth industries, using Career Clusters as a focal point to engage diverse stakeholders. Shared planning, partnerships, and career development will be highlighted.

Ms. Cynthia Fisher Miller • Senior Director, Workforce Development and Education, Fort Worth Chamber of Commerce – Texas

Mr. Dan Belcher • Educational Consultant, Region XI Education Service Center – Texas

Ms. Judy Bell • DFW Regional Aerospace Cluster Manager, Workforce Solutions for Tarrant County Board – Texas

B2

Sundance 2

Technical Communication: Rigor and Relevant Writing in Both the Technical and Academic Classrooms

(Session Repeated in F3)

Help prepare your students for both work and college through instruction about technical writing. Learn how technical writing differs from academic writing while meeting state writing standards. Learn how to embed rigorous and relevant communication into your classroom content. See sample projects and interdisciplinary instruction with writing across the career pathways.

Mrs. Carol Larkin • Teacher/Practitioner, Mentor High School and Lakeland Tech Prep Consortium – Ohio

B3

Sundance 3

AchieveTexas Best Practices: Counselors Meeting the Challenge of Student Advising Correlated with Career Cluster Implementation

This session will provide participants specific examples of how school districts are implementing Career Clusters throughout Texas, focusing on career counseling and advising. Topics will include student assessments, programs of study that support standards-based curriculum, and secondary-postsecondary transitioning. Participants will receive handouts and a list of helpful resources.

Ms. Teresa Brock • Director Educational Partnerships/Texas Counselors' Network • Weatherford College – Texas

B4

Texas A/B

A Student Panel Discussion: Preparing for My Future through Career Clusters

This session will focus on the programs of study that are driven by student interest and industry needs. The presentation will feature high school students who have had the opportunity to attend a high school that is designed around career related themes through the use of the Career Clusters' framework.

Mrs. Lena Trujillo-Chavez • Executive Director, Pecos Valley Regional Education Cooperative – New Mexico

B5

Stockyards 1

ABCs of Career Clusters

New to Career Clusters? Come to this introductory session to learn the basics of the Career Clusters model, components, and implementation strategies. This session is designed for first-time participants and those becoming familiar with Career Clusters.

Mr. Seth Derner • Consultant, States' Career Clusters Initiative – Nebraska

Ms. Shelli Wyckoff • Career Clusters Manager, NASDCTEC/NCTEF – Maryland

Mr. Doug Kueker • Consultant, States' Career Clusters Initiative – Missouri

B6

Texas I

Programs of Study Role in College, Careers, and Tennessee's New Graduation Requirements

The purpose of the presentation is to demonstrate the process of development and implementation of Tennessee's secondary Career and Technical Education (CTE) Division adoption of the National Career Clusters model of 16 Career Clusters and the development of programs of study within these clusters. Technological advances and global competition have transformed the nature of work. Tomorrow's workers must be prepared to change jobs and careers several times, continually updating their knowledge and skills. Career Clusters link what students learn in school with the knowledge and skills they need for success. Career Clusters identify programs of study for all educational levels and the workplace, so students can learn in school what they can do in the future.

Mr. Will Lewis • Director of Curriculum for Career and Technical Education, Career and Technical Education (CTE), Division of Tennessee State Department of Education – Tennessee

Mrs. Sue Tucker • Trade and Industrial Education Consultant, CTE, Division of Tennessee State Department of Education – Tennessee

B7

Texas H

The Law, Public Safety, Corrections and Security Career Cluster—An Update

The session will focus on the organization, programs, assessments, certifications and curriculum of the LPSCS Career Cluster. Also highlighted will be some of the innovative LPSCS Career Programs around the country.

Dr. Joseph Coffee • Executive Director, National Partnership for Careers in Law, Public Safety, Corrections and Security – Virginia

Mr. John Davidson • Deputy Director, Arkansas Office of Workforce Education – Arkansas

Mr. Kevin Jacobson • Criminal Justice Teacher, Burleson High School – Texas

B8

Texas C

Interfacing Career Cluster Programs in Schools with the IT Community and IT Skill Standards

The presentation will discuss IT Skill Standards and community partnerships between schools and the local IT Community. It will focus on IT internships, curriculum innovation, certification programs and one district's restructuring of 15 high schools using Career Cluster themes.

Ms. Gretchen Koch • Director, Public Sector Business Development, CompTIA – Illinois

Mr. Scott Horan • IT Internship & Resource Teacher, Jefferson County School District – Kentucky

Institute Reception

Texas Ballroom Foyer

5:05 pm – 6:15 pm

All Institute participants are invited!
Please join us for hors d'oeuvres and a cash bar.

IMPORTANT NOTE!!

In order to be admitted into the ballroom for the reception, you **MUST DISPLAY YOUR CCI NAME BADGE!**

CCI would like to recognize and thank our Cluster Leaders for their support:



Carole Stacy
National Consortium on Health Science
And Technology Education



Gretchen Koch
CompTIA

Institute Breakfast

Texas Foyer

7:00 am – 8:00 am

Registration

2nd Floor Texas Ballroom Foyer

7:00 am – 3:15 pm

General Session

Texas E/F

8:00 am – 9:00 am

Milt Ericksen – Panel Moderator

Deputy Assistant Superintendent, State Director for CTE, Past President of VTECS Board of Directors – Phoenix, AZ

Join us as a panel of educational experts representing two different states share experiences and hands-on expertise related to implementing Career Clusters. A panel from Montana will share the nuts and bolts of why and how they made Career Clusters work in a rural setting, including what they learned along the way and the results. The panel from Texas will share the same information, but from an urban perspective. This session will provide attendees with useful information and ideas to take home and apply in their own unique settings. Panelists include:

Representing Montana -The Small School District Perspective

DeAnn Thomas – Lead Speaker



- Career Center Director
- Worked with Career Field curriculum, implementation and community/business partnerships
- Member of Chamber of Commerce Education Committee
- Counsels 9-12 grade students to build strong post-high school career and educational plans

Ivan Lorentzen



- Faculty of Flathead Valley Community College
- Public School Trustee for over 15 years
- Chair of curriculum committee for Kalispell Public Schools

Joe Unterreiner



- President and CEO Kalispell Area Chamber of Commerce since 1996
- Previously served in commercial real estate development and financing in the Southern California area
- Served in Executive Office of the President of the United States as a Management Intern

Dan Zorn



- 24 years as Montana educator
- 10 years as Assistant Superintendent of Schools in Kalispell in area of curriculum and instruction
- Leader of Kalispell School District's efforts in creation of a career Cluster model for each of its two high schools

Representing Texas – The Large School District Perspective

Karen Alexander – Lead Speaker



- Assistant Professor of Family and Consumer Sciences
- Project Coordinator for AchieveTexas
- Research interests in development and implementation of Career Clusters and Pathways

Steve Frank



- Numerous regional and state level projects specializing in career and technical education and secondary school redesign
- Developed state-wide teacher certification program
- Serves as Texas State Coordinator for High Schools That Work and Making Middle Grades Work
- Worked on special projects at the USDOE, OVAE

Shawn Blessing



- CTE Director for Irving ISD
- Former senior consultant with Region 10 Education Service Center
- Facilitated several educational publications
- Recognized by Governor's Volunteer Leadership Award committee for her work with mental health

Marty Thompson



- CTE Director for Denton ISD
- Created a top-down guidance system for parents and students from middle school through a university degree
- Past president of Career & Technical Association of Texas
- Past Chair of Texoma Tech Prep Steering Committee

Concurrent Breakouts: Session C

9:20 am – 10:20 am

C1

Stockyards 1

Army National Guard: Your Partner in Career Education

(Vendor Session)

Military Career Pathways and Partnerships with Army National Guard for Career Guidance. Perkins IV calls on schools and states to provide clear postsecondary career pathways for all students. The Army National Guard has been an integral partner with educators in promoting career and academic planning. This presentation will provide participants with opportunities to connect with the Army National Guard's "Partners in Education" program that provides essential FREE educational resources to assist schools in meeting the requirements of Perkins IV, develop career pathways, and support career and academic development of ALL students. The presenters will discuss lesson plans that provide job search skills, career mentoring, and diverse civilian occupations held by members of the Guard. A discussion on how schools are integrating these resources into their career curriculum will be included in this presentation.

Mr. Scott Farrell · National Director of Educational Outreach, Army National Guard – Connecticut

Dr. Ray Davis · Education Associate, Career Guidance, Department of Education – South Carolina

C2

Sundance 3

Let Workforce Work for You!

The Workforce Solutions contacts with Economic Development organizations and Chambers of Commerce provide school districts with a wealth of data and information critical in the design of local Career Clusters. This presentation will provide information and examples of how Georgetown ISD, Workforce Solutions and the local business community collaborated in the development and implementation of the Career Clusters model.

Ms. Gwen Davis · CTE Director, Georgetown Independent School District – Texas

Mrs. Jenna Akridge · Director, Contracts and Programs, Workforce Solutions-Rural Capital Area – Texas

Mr. Al Lopez · Planner, Workforce Solutions-Rural Capital Area – Texas

C3

Texas H

Focus on the Future: Aligning Middle School and High School Test Interpretation with Career Advisement

This session is about using interpretations of ACT's Explore and Plan to align Career Clusters to plans of study and promote relevant high school choices. Focus on the Future is partnering with area high schools and middle schools to design a sequential approach to career planning for all students. The results of this program are school partnerships between the tech center career advisor and school counselors that provide students with a career planner that is shared by middle schools, high schools, tech centers, and college/universities.

Ms. Tammy Barnes · Tulsa Tech Career Advisor, Tulsa Technology Center – Oklahoma

Ms. Joyce Coyle · Coordinator of Career Advisement, Tulsa Technology Center – Oklahoma

Ms. Beth Henderson · Career Advisor, Tulsa Technology Center – Oklahoma

C4

Texas I

Building a Stronger Future by Connecting Education Plans to Career Clusters and Pathways

Help students turn today's dreams into tomorrow's realities through Career Cluster exploration and planning. Attendees will be inspired by "best practice stories" from two premiere districts in Texas who have used Career Clusters and pathways to guide student planning and course selection for the future.

Ms. Sarah Wroblewski · Director of Curriculum for Career and Technical Education, Pasadena ISD – Texas

Ms. Jayne McFarland · Coordinator of CTE, Pasadena ISD – Texas

Ms. Jean Smith · Career and Technical Education Counselor, Alief Independent School District – Texas

C5

Sundance 1

Building an Online Program of Study Template and Perkins Web Application

The State of New Mexico will present their efforts to create the online Program of Study (POS) entry point for long-term data tracking of secondary and postsecondary Career Cluster relationships. Additionally, the new online Carl D. Perkins web application that provides further data and budget tracking to the POS will be demonstrated.

Dr. Melissa Lomax · Bureau Chief, Career-Technical and Workforce Education Bureau – New Mexico

Mr. Brian Salter · IT Business Analyst, Public Education Department – New Mexico

C6

Texas C

Planning for Successful Curriculum Integration

(Session Repeated in E2)

Successful curriculum integration rests on a foundation of several other critical components. In this session, participants explore these connections in the context of curricula designed for engineering, health sciences, law and law enforcement, and arts, media and entertainment. They also learn about and apply a self-assessment rubric for multidisciplinary teacher teams that are planning to begin or enhance curriculum integration.

Dr. Paula Hudis · Director, ConnectEd: The California Center for College and Career – California

CCI would like to recognize and thank our Cluster Leaders for their support:



Joe Coffee

National Partnership for Careers in LPSCS

C7

Texas A/B

Ensuring Rigorous Programs of Study Through Statewide Articulation Agreements: A Panel Discussion

In an effort to ensure high quality implementation of programs of study that align with the intent of the Perkins Legislation, OVAE has funded six states to work through the policy and program issues and barriers as they create statewide articulation agreements.

Ms. Gisela Harkin · Career Development Program Officer, US Department of Education, Office of Vocational and Adult Education – District of Columbia

Panel of Rigorous Programs of Study States:

Dr. Barbara White · Associate State Director, Department of Education – Hawaii

Ms. Erika Volker · Administrative Director, Partnerships for Innovation – Nebraska

Ms. Kim Runion · State Director of Tech Prep, Department of Education – New Hampshire

Dr. Donna Elmore · Associate Vice President, Orangeburg Calhoun Technical College – South Carolina

C8

Sundance 2

Measuring the Effects of a Curriculum Intervention on Eighth Graders' Interests in Manufacturing Careers

The presentation data are the results of a control and experimental group study using the *Kuder® Career Search* as pre-test and post-test, with a sample of Arkansas teachers who implemented a cluster-specific (manufacturing) curriculum in their career orientation classes. The purpose of the analysis was to determine if the curriculum influenced students' interests in manufacturing careers, present possible reasons for the data results, and explore alternative approaches for future consideration.

Ms. Bridget Duncan · Doctoral Graduate Research Assistant, Arkansas State University – Jonesboro, Arkansas

Institute Break

Texas Foyer

10:20 am – 10:40 am

Concurrent Breakouts: Session D

10:40 am – 11:40 am

D1

Texas A/B

A National Perspective: The Future is Now for CTE!

A lot is changing in career technical education. What are the top issues, opportunities, and challenges facing the profession? This session will serve as a thought starter to identify the trends that impact what we do – things you and your program/school/state might want to take into consideration as you move forward with advancing Career Clusters. This session will also provide a brief legislative update on the federal legislation impacting CTE and Career Clusters, Perkins implementation, and what politicians are saying (or not saying) about education and workforce issues.

Mr. Dave Buonora • Assistant Director-Programs, NASDCTE/ NCTEF – Maryland

D2

Texas C

The Changing Role of the Counselor

Empowering counselors to deliver appropriate interventions, quality career guidance, and current information and resources to support all students in career development is at the core of the changing role of counselors. The preliminary selection of a program of study is best implemented when guidance programs foster the development of a career plan, focus on holistic student development, and encourage students to develop a sense of personal advocacy.

Ms. Gisela Harkin • Career Development Program Officer, US Department of Education, Office of Vocational and Adult Education (OVAE) – District of Columbia

Ms. Donna Vrbka • IPA, US Department of Education, OVAE and Director of School Counseling, Nebraska Department of Education – Nebraska

D3

Sundance 3

How Career Clusters Support the Linkage Between Career Academies and Career and Technical Education

Come explore how Career Clusters provide a linkage between career academies and career and technical education in the high school setting. You will be introduced to the National Standards of Practice for career academies and engage in discussion on how career and technical programs can become career academies. Career Clusters provide the framework for how broad-ranging career academies can be developed and how CTE programs can expand. This framework helps provide the foundation for connecting career academies and Career Clusters to economic and workforce development.

Daniel Smith • Board Member, National Career Academy Coalition – Georgia

D4

Texas I

Achieving the Achieve Texas Pathways While Improving the 1-2-3 CTE Coding Through Automation

Learn how Pasadena ISD explored a solution that takes the guesswork out of the Achieve Texas Career Pathways and coding the 1-2-3's. This session will show attendees how automation is the key to saving time, improving their CTE program, and meeting the expectations of the Carl D. Perkins grant.

Ms. Sarah Wroblewski • CTE Director, Pasadena ISD – Texas

Ms. Jayne McFarland • Coordinator of CTE, Pasadena ISD, – Texas

D5

Stockyards 1

Introduction to the National Career Clusters Knowledge and Skill Statements

The Career Clusters Knowledge and Skill Statements can be used to guide and support curriculum revision efforts. The statements are maintained by national advisory committees and were revised in 2008. Take away ideas for use in your programs.

Mr. Seth Derner • Consultant, States' Career Clusters Initiative – Nebraska

Mr. Doug Kueker • Consultant, States' Career Clusters Initiative – Missouri

D6

Sundance 2

Implementing Programs of Study: Issues and Possible Solutions

Perkins IV requires every LEA to implement at least one Program of Study: Easier said than done, according to some. This session will look at the required elements of Programs of Study, explore the research that supports their implementation and highlight implementation issues and possible solutions.

Dr. James Stone III · Director, National Research Center for Career and Technical Education – Kentucky

D7

Texas H

Scrubs Camp: An Innovative Approach for Introducing the Health Science Career Cluster to Students, Instructors, Parents, Administrators, Counselors, and Business and Industry

South Dakota Departments of Education, Health, and Labor, along with the South Dakota Board of Regents, collaborated to provide a one-day, hands-on healthcare career exploration day for high school students. This presentation will discuss this collaboration and provide attendees some suggestions for how to implement their own Scrubs Camp.

Ms. Shelby Frame · Health Science Career Cluster Specialist, Department of Education, Office of Career and Technical Education – South Dakota

D8

Sundance 1

Attracting College-Oriented Students via Business-Based Clusters

Three business-based clusters form the basis for this innovative program. Using the model developed by MBA Research, our coalition includes business, marketing, and academic teachers, college faculty, and local businesses. We use project- and problems-based methods, culminating with a business strategies course featuring a major senior project.

Mrs. Tina McCann · High School Business Teacher, Lake Travis ISD – Texas

Ms. Amanda Johnson · CTE Specialist, Lake Travis ISD – Texas

Institute Luncheon

Texas E/F

11:45 am – 12:45 pm

Open to **ALL** Institute Participants.
REMEMBER – Your Name Badge is your Ticket

Guest Luncheon Panel:

Moderator:

Justin Walker
Loving High School

Panelists:

Jazmin Davila, Jacob Herrera, and Chance Ortiz
Lake Arthur High School

David Hernandez, Linsey Ogden, and Cody Stell
Loving High School

Career Clusters: How My Decisions and Actions can Change my Life

This presentation is set up in a question/answer format with one student serving as the facilitator and a panel of seven high school students from New Mexico schools. Each student will respond to a specific question with all panelists responding to the final question. Through their response, the students will address how individual decisions and actions can change lives.

CCI would like to recognize and thank our Cluster Leaders for their support:



Fred Wentzel

National Council for Advanced Manufacturing



Niel Tebbano

Project Lead the Way

Concurrent Breakouts: Session E

1:00 pm – 2:00 pm

E1

Sundance 1

FutureForce and Partnerships for Innovation: How Nebraska is Coordinating Career Clusters Statewide

Have you wondered how to bring business, industry, government agencies, and education together to strengthen Career Clusters in your state? FutureForce Nebraska and the Partnerships for Innovation are unique coordinating structures doing just that. Presenters will provide an overview of their structures and will address questions as to how you may bring such opportunity to your state or region.

Mr. Matt Hastings • Program Specialist, FutureForce Nebraska – Nebraska

Ms. Erika Volker • Administrative Director, Partnerships for Innovation – Nebraska

E2

Texas C

Planning for Successful Curriculum Integration

(Session is Repeat of C6)

E3

Texas H

AchieveTexas: Best Practices for Local Implementation of Career Clusters

As implementation of AchieveTexas College and Career Initiative continues, an emphasis is placed on collecting best practices for local implementation of Career Clusters. This session will highlight examples of those best practices and current resources for local implementation. The session will also highlight initial outcomes from the program evaluation of AchieveTexas.

Dr. Karen Alexander • AchieveTexas Coordinator, AchieveTexas College and Career Initiative – Texas

E4

Texas I

Integrating Academics Now

How to integrate academics using sound, effective instructional strategies in a simple, easy-to-use format is the focus of this workshop. The simple, yet effective, integration strategies are introduced in a hands-on process that allows participants to go home and put their plan in action immediately.

Dr. Jack Elliot • Professor and Head, Department of Agricultural Leadership, Education, and Communications, Texas A&M University – Texas

E5

Stockyards 1

SCCI Tools to Assist in Local Career Clusters Implementation

Use this session to check out the tools available from the Career Clusters Initiative. Guides, manuals, brochures, and other tools will be available to try out. Walk away with ideas for using the tools at your site.

Mr. Seth Derner • Consultant, States' Career Clusters Initiative – Nebraska

Mr. Doug Kueker • Consultant, States' Career Clusters Initiative – Missouri

Ms. Shelli Wyckoff • Career Clusters Manager, NASDCTE/ NCTEF – Maryland

E6

Texas B

Implementing and Maintaining the Career Focus Throughout the School and the Individual Classroom

(Session Repeated in F2)

A “Wall to Wall” Academy Integration coordinator/teacher will share concepts of instituting school-wide clusters and producing career-oriented assignments along with real world experience for students. Information will feature how to overcome obstacles during the installation process for the school and illustrate student-created projects and ideas for teaching with a career focus.

Ms. Marty Faulkner • Education Coordinator, Creative Career Curriculum for Core Classes – Texas

E7

Sundance 2

Implementing National Ag Ed Content Standards

Presenters will explain the development of the National Agricultural Education Content Standards from the original Agriculture, Food & Natural Resources Knowledge and Skills Statements. These Content Standards have wide range buy-in by the Ag Ed Community, both secondary and postsecondary. The Content Standards were validated by agricultural business and industry. Crosswalking was done with National Math, Science, Social Studies and Communication Content Standards. A national plan of implementation is being developed.

Dr. David Hall · Grants Manager, Montana University System – Montana

Dr. Steve Brown · Program Specialist, Agriculture, Food and Natural Resources, Division of Academic and Technical Education, Office of Vocational and Adult Education, US Office of Education – District of Columbia

Ms. Nancy Hall · Alpine Associates – Montana

E8

Sundance 3

Promoting Career Clusters and 21st Century Skills: A State-wide Professional Development Program for School Counselors and Career Guidance Professionals

As new initiatives related to career guidance were formulated, it became apparent that school counselors would play a significant role in the promotion and ultimate success of these programs. A professional development series designed specifically for school counseling professionals was designed to meet these needs. Come learn about how this was successfully incorporated into a state-wide professional development plan.

Dr. Kelly Duncan · Assistant Professor, University of South Dakota – South Dakota

Mr. Tobin Bakkedahl · Graduate Student, University of South Dakota – South Dakota

Institute Break

Texas Foyer

2:00 pm – 2:20 pm

Concurrent Breakouts: Session F

2:20 pm – 3:20 pm

F1

Texas H

Collaboration Between Education and Military: Using Career Clusters as a Model to Coordinate Career Exploration Efforts

Career development experts representing the Department of Education and Department of Defense are collaborating to provide students with career development information that encompasses the entire world of work, including private sector, civilian government, and military occupations. The National Career Clusters' model has provided a point of synergy for these groups. This presentation will discuss how the Career Clusters' model is being used by both groups. A demonstration of the ASVAB Career Exploration Program will be provided, highlighting how Career Cluster information has been used in this program.

Ms. Denise Lawson · Program Manager/ASVAB Career Exploration Program, Oak Grove Technologies – Virginia

Ms. Gisela Harkin · Career Development Program Officer, US Department of Education – District of Columbia

Ms. Kriza Jennings · Analyst, Oak Grove Technologies – Virginia

F2

Texas B

Implementing and Maintaining the Career Focus Throughout the School and the Individual Classroom

(Session is Repeat of E6)

F3

Sundance 3

Technical Communication: Rigor and Relevant Writing in Both the Technical and Academic Classrooms

(Session is Repeat of B2)

F4

Texas I

Tools for Curriculum Development: Linking Clusters to Courses and Programs

If you're on the frontlines and required to infuse Career Clusters into curriculum, this session is for you. Learn about a specific "how-to" process for organizing your curriculum and see the process in action. View the tool used by over 150 colleges that ensures skills illustrated in the clusters are being addressed and taught in local courses and programs.

Dr. Robin Nickel · Associate Director WIDS, Wisconsin Technical College System Foundation, Inc. – Wisconsin

F5

Sundance 1

Improving Programs of Study: Early Findings from a National Research Center Study on Use of Assessment Data

NOCTI is conducting a NRCCTE investigation regarding if/how secondary CTE educators use technical assessment data to improve program curriculum and to identify individual and group instructional needs. Early findings from the survey research and insights gleaned from the literature will be discussed with implications for professional development.

Dr. Sandra Pritz · Senior Consultant, NOCTI – Ohio

F6

Stockyards 1

Aligning Outcomes, Curriculum, and Assessments Using Webb's Alignment Tool

This interactive session will use research-based models to help you put your arms around two very intangible topics – rigor and alignment. This will allow you to make informed decisions as you select, design and revise your programs of study, technical assessments and content standards.

Mr. Seth Derner · Consultant, States' Career Clusters Initiative – Nebraska

Mr. Doug Kueker · Consultant, States' Career Clusters Initiative – Missouri

F7

Texas C

Using Problem-Based Scenarios to Engage and Motivate IT Skill Development in Career Clusters

Engage and motivate your students' IT skill development with IT Across Careers' authentic workplace scenarios, a curricular framework that seamlessly integrates IT skills-building with Career Clusters' program content. Solving real-world problems helps learners develop skills needed for a 21st-century workplace and supports learner-centered learning and assessment. Materials are easily adapted/customized for all clusters.

Dr. Joyce Malyn-Smith · Director, Strategic Initiatives Workforce and Human Development, Education Development Center, Inc. – Massachusetts

Ms. Linda Scott · Project Manager, Education Development Center, Inc. – Massachusetts

F8

Sundance 2

Using Labor Market Information and Student Career Inventories in Career Cluster Pathway Development

Why does your pathway exist? Learn about the resources Kansas has provided to help schools answer this question. This session will focus on where to obtain Labor Market Information and the benefits and necessity of taking it into consideration when developing a Career Cluster pathway. We'll also discuss how the results of student career inventories are used to determine pathways that are a priority for development at the local level.

Ms. Marie Hall · Education Program Consultant, State Department of Education – Kansas

Ms. Peggy Torrens · Education Program Consultant, State Department of Education – Kansas

CCI would like to recognize and thank our Cluster Leaders for their support:



Fran Beaman
Illinois



Focus on Career Clusters

3:30 pm – 4:30 pm

Join us for Round Table Discussions, Updates, and What’s Happening in the Clusters, featuring Career Cluster Leaders:

Agriculture, Food, & Natural Resources

David Hall ▪ National Council for Agricultural Education Stockyards 3

Architecture & Construction

Deanna Lewis ▪ Home Builders Institute Texas E

Arts, A/V Technology, & Communications

Ron McCage ▪ VTECS Texas F

Education & Training

Barb Orwig ▪ Career Communications, Inc. Texas G

Health Science

Carole Stacy ▪ National Consortium on Health Sciences & Technology Education Texas D

Information Technology

Gretchen Koch ▪ CompTIA Texas F

Law, Public Safety, Corrections, & Security

Joseph Coffee ▪ National Partnerships for Careers in LPSCS Texas J

Science, Technology, Engineering, & Mathematics

Terri Schulz ▪ Project Lead The Way Texas E

Transportation, Distribution, & Logistics

Sandy Dunkel ▪ Transportation Careers Curriculum Texas A

Institute Breakfast

Texas Foyer

7:00 am – 8:00 am

Registration

2nd Floor Texas Ballroom Foyer

7:00 am – 9:00 am

Concurrent Breakouts: Session G

8:00 am – 9:00 am

G1

Texas I

Alabama SUCCESS: Supporting Career Cluster Education for Students System - A Collaboration Between Secondary and Postsecondary, Sponsored by Tech Prep

With SUCCESS, Alabama is making sure its students are prepared to face the workforce challenges of the future. In January 2009, 8th Grade SUCCESS Career Guides were distributed to 57,000 8th grade students and numerous Counselors, followed up by the development and distribution of 16 Cluster Guides. Come share our SUCCESS!

Dr. Mary Simon • Education Specialist, Department of Education – Alabama

Dr. Philip Cleveland • Dean, Career and Technical Education, Wallace State Community College – Alabama

G2

Texas B

The Basics of Career-Based School Reforms: SLCs, Academies, and Career Clusters

(Two-Part Workshop – Part Two Continued in H2)

Participants new to Smaller Learning Communities, Career Academies, Career Clusters and Career Technical Education will learn basic concepts, structures and definitions for each of these career-based school reform movements. This session will feature active participation in establishing clearer understanding of how each of these movements can impact major school reform.

Mr. Mike Gross • Career Education Coordinator, Junction City High School – Kansas

G3

Sundance 2

Standards Based Curriculum: Aligning State Career Technical Education Standards to the Revised Career Cluster Standards

A standards-based curriculum is a critical component for implementing the Career Clusters' framework. This session will provide an overview of the process used for aligning the CTE Texas Essential Knowledge and Skills (TEKS) state standards to the revised Career Cluster standards. The process included alignment of the CTE TEKS to the new state college readiness standards, postsecondary programs, and business and industry needs. The presentation will also highlight programs of study that incorporate secondary and postsecondary alignment; coherent and rigorous content aligned with challenging academic standards and relevant career and technical content; and lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or baccalaureate degree.

Mrs. Diane Salazar • CTE Director, Texas Education Agency – Texas

Mr. Ron Whitson • CTE Director, Texas Education Agency – Texas

Ms. Kathy Park • CTE Director, Texas Education Agency – Texas

G4

Texas C

Successful Student Transitions Through Programs of Study

(Two-Part Workshop – Part Two Continued in H4)

Shortly after the reauthorization of Perkins, Missouri began the development of a 10-step process for programs of study. You will hear how Missouri is using their Tech Prep consortia to facilitate the development and implementation of programs of study using this 10-step process and how programs of study transition to the student's personal plan of study.

Dr. Dennis Harden • Coordinator, Career Education, Department of Elementary and Secondary Education – Missouri

Ms. Michelene Moeller • Coordinator, Tech Prep, St. Louis Community College – Missouri

Ms. Cindy Phillips • Coordinator, Dual Credit and Tech Prep Program, Ozarks Technical Community College – Missouri

G5

Stockyards 1

Using Career Clusters Knowledge and Skill Statements to Shape Programs of Study

Recently revised National Career Clusters Knowledge and Skill Statements can be a very useful resource in identifying competencies and curriculum for your Programs of Study. This session will include suggestions and activities.

Mr. Seth Derner · Consultant, States' Career Clusters Initiative – Nebraska

Mr. Doug Kueker · Consultant, States' Career Clusters Initiative – Missouri

G6

Sundance 1

Architecture and Construction Cluster: Implementation of Industry Partnerships

NCCER is a not-for-profit education foundation created by the construction industry to provide a link to secondary and postsecondary education. This workshop will assist schools wanting to implement business and industry partnerships and enhance existing ones.

Mr. Ed Prevatt · Workforce Development Manager, National Center for Construction Education and Research – Florida

G7

Sundance 3

Education and Business Collaboration: The Building Blocks for Change

(Vendor Session)

Join us to learn how state and regional leaders are partnering with education, business, and industry to improve education and career guidance and better prepare tomorrow's workforce. Through collaboration, these agencies are offering solutions to help students and adults effectively plan for a successful future.

Mr. Scott Vandever · Kuder, Inc. – Iowa

Ms. Angie Overton · Kuder, Inc. – Iowa

G8

Texas H

The How and Why of Automotive Training Online

(Vendor Session)

Winner of the US Automotive Training Managers Council award for eLearning, CDX provides online automotive career education in more than 30 countries. This presentation will demonstrate state-of-the-art online automotive education, and review U.S. and international data on the learning and administrative outcomes, with specific reference to Perkins and NATEF accountability requirements as a model for CTE online.

Paul Fraser, VP Business Development and Founder, CDX Global, A Jones and Bartlett Company – Sudbury, MA

Concurrent Breakouts: Session H

9:20 am – 10:20 am

H1

Texas I

Making Programs of Study Meaningful for the Workplace

For many students, there is a disconnect between what they are learning in school and how it will be used in the workplace. The Center for Energy Workforce Development has linked specific programs of study to high priority careers in the industry. Find out how the Center has made this connection as well as how some of their industry members are partnering with their local schools to integrate real-world problems in the students' coursework. Participants will have the opportunity to start working on their own models based on what they learn.

Ms. Valerie Taylor · Educational Consultant, Center for Energy Workforce Development – District of Columbia

H2

Texas B

The Basics of Career-Based School Reforms: SLCs, Academies and Career Clusters

(Part Two of Two-Part Workshop)

H3

Stockyards 1

Models of Innovation: Microsoft Partners in Learning Sites Find Success Using Career Clusters

Looking for examples of re-inventing the school experience using Career Clusters? Come and learn the lesson learned by three schools that were part of Microsoft's Partners in Learning program, and take home implementation guides that can help your team.

Mr. Seth Derner · Consultant, States' Career Clusters Initiative – Nebraska

Mr. Doug Kueker · Design Leader, States' Career Clusters Initiative – Missouri

H4

Texas C

Successful Student Transitions Through Programs of Study

(Part Two of Two-Part Workshop)

H5

Texas H

STEM Transitions: Enhancing Mathematics and Science Rigor Through Evidence-Based Curriculum Projects

You will be introduced to a set of curriculum projects plus the related assessment strategies that were developed under a grant from OVAE by the Center for Occupational Research and Development (CORD). In all, CORD created and produced 62 integrated curriculum projects in support of the goal to ensure mathematics and science rigor in community college courses in six STEM-related Career Clusters (Health Science, Information Technology, Manufacturing, Transportation, Distribution & Logistics, STEM, and Agriculture, Food & Natural Resources), and to use effective methods for increasing and maintaining student interest in pursuing STEM-related Career Clusters and STEM fields. These are authentic tasks that encourage career exploration and evidence-based teaching strategies. They focus on industry scenarios, team participation, and the development of critical thinking skills.

Ms. Ellen Kelly Holland · Education Program Specialist, OVAE – District of Columbia

Ms. Ann-Claire Anderson · Assistant Project Director, STEM Transitions, CORD – Texas

Dr. Steve Brown · Program Specialist, Agriculture, Food and Natural Resources, OVAE, US Office of Education – District of Columbia

H6

Sundance 1

Aligning Clusters and Courses with College Programs of Study: Seamless Transition Tools and Templates

Participants will learn how the Grayson College P-16 Connection Coordinator and Texoma Tech Prep partnered to develop a workable format for CTE teachers and counselors to identify foundation courses in each cluster and meet the requirement of offering three clusters and aligning those clusters with programs of study.

Ms. Paula Cavender · P-16 Connection Coordinator, Grayson County College – Texas

Ms. Cindy Powell · Executive Director, Texoma Tech Prep – Texas

H7

Sundance 2

Simplifying Career and Course Planning with Career Cruising & Career Clusters

(Vendor Session)

Join us to learn how Career Cruising has integrated Careers Clusters and Programs of Study to help students make informed decisions and detailed plans that meet their post-secondary education and career goals. We will show you how students identify clusters of interest using our Career Matchmaker assessment, explore careers within those clusters of interest, and build detailed education plans based on Programs of Study. We will then demonstrate our new Course Planner module, which allows students to build complete, validated course schedules that focus on their cluster interests and meet graduation requirements. Course Planner works with your school's SIS to simplify and automate the course selection process. All participants not currently licensed will receive free trial access to Career Cruising's base system.

Ms. Cindy Wong · Marketing Coordinator, Career Cruising – Ontario, Canada

Institute Break

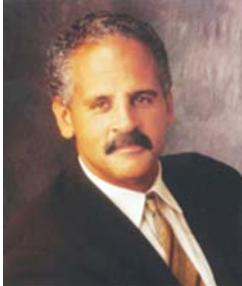
Texas Foyer

10:20 am – 10:40 am

Institute Closing Session

Texas E/F

10:40 am – 12:00 pm



Guest Speaker:

Stedman Graham

Author, Motivational Speaker

Session Moderator:

Dave Buonora

Assistant Director - Programs, NASDCTEc/NCTEF - Maryland

Nine Steps to Life Goals and Aspirations

Stedman Graham will close the 2009 Career Clusters Institute with a motivating presentation on his approach to organizing and advancing life goals and aspirations.

Mr. Graham plans to discuss how his Nine-Step Success Process helps individuals to clearly understand who they are, and on the basis of this identity and understanding, become equipped to create a vision for their lives that encompasses their passions and strengths. Mr. Graham's process guides them, step-by-step, in creating a plan for how to go about achieving their life's vision. Career Clusters and resources like those offered by Kuder, Inc. can play an important role in this process and support individuals as they capitalize on new opportunities and set career and life goals.

Mr. Graham will discuss how the process heightens awareness regarding the fact that people create their own lives and futures. They learn to motivate themselves and realize that they own the power to their success or failure. Self-awareness is where success begins – it's difficult to understand the world and how you respond to it until you first know yourself.

As with the Career Clusters intention of allowing learners to identify and pursue a wide range of career opportunities, the Nine-Step Success Process encourages people to be truly focused and engaged, ultimately becoming the master of their destiny and recognizing that they are truly free.

As a writer, Graham has authored 10 books, including two New York Times bestsellers, *You Can Make It Happen: A Nine-Step Plan for Success* and *Teens Can Make It Happen: Nine Steps to Success*. His latest release *Diversity: Leaders not Labels* includes his unique approach to eliminate barriers to success.

And finally as a speaker, Graham has worked with clients such as Hyatt Hotels Corporation, Manpower, CNN, Glaxo-SmithKline, American College of Sports Medicine, YMCA, U.S. Olympic Committee, U.S. Department of Labor's Job Corps, Harvard and Wharton business schools and the U.S. Department of Education.

The institute would like to say "Thank You" to Kuder for their sponsorship of Mr. Graham's presentation.

A book signing will immediately follow Mr. Graham's presentation in the Texas Foyer from 12:00 pm to 1:00 pm.

The 7th Annual National Career Clusters Institute expresses appreciation to the following organizations for their unique contributions to the success of the States' Career Clusters Institute as Institute Sponsors:

Diamond Level Sponsors

Army National Guard

Career Cruising

CDX Global – A Jones and Bartlett Publishing Company

Kuder, Inc.

Platinum Level Sponsors

Home Builders Institute

Gold Level Sponsors

Career Communications, Inc.

NOCTI

Relevant Classroom

Silver Level Sponsors

National Career Pathways Network

Alphabetical Listing of Institute Presenters



Presenter Name – Agency	Session Location
Akridge , Jenna – Workforce Solutions-Rural Capital Area	C2
Alexander , Karen – Achieve Texas College and Career Initiative	E3, General Session
Anderson , Ann-Claire – CORD	H5
Bakkedahl , Tobin – University of South Dakota	E8
Barnes , Tammy – Tulsa Technology Center	C3
Belcher , Dan – Region XI Education Service Center	B1
Bell , Judy – Workforce Solutions for Tarrant County Board	B1
Blessing , Shawn – Texas Department of Education	General Session
Brock , Teresa – Weatherford College	B3
Brown , Steve – OVAE, US Office of Education	E7, H5
Buonora , Dave – NASDCTEc/NCTEF	D1
Cagle Cox , Lynne – University of North Texas	A3
Cavender , Paula – Grayson County College	H6
Cleveland , Philip – Wallace State Community College	G1
Coffee , Joseph – National Partnership for Careers in LPSCS	B7, Focus on Career Clusters
Coyle , Joyce – Tulsa Technology Center	C3
Davidson , John – Arkansas Office of Workforce Education	B7
Davis , Gwen – Georgetown Independent School District	C2
Davis , Ray – Partners in Education	C1
Derner , Seth – States' Career Clusters Initiative	B5, D5, E5, F6, G5, H3
Duncan , Bridget – Arkansas State University - Jonesboro	C8
Duncan , Kelly – University of South Dakota	E8
Dunkel , Sandy – Two Rivers Professional Development Center	Focus on Career Clusters
Elmore , Donna – Orangeburg Calhoun Technical College	C7
Elliott , Jack – Texas A&M University	E4
Erickson , Milt – Arizona Department of Education	General Session Moderator
Farrell , Scott – Partners In Education	C1
Faulkner , Marty – Creative Career Curriculum for Core Classes	E6, F2
Fisher Miller , Cynthia – Fort Worth Chamber of Commerce	B1
Frame , Shelby – South Dakota Department of Education	D7
Frank , Steve – Texas Department of Education	General Session
Fraser , Paul – CDX Global, A Jones and Bartlett Company	G8
Gentry , Mike – University of North Texas	A3
Graham , Stedman – Author	Closing Speaker
Gross , Mike – Junction City High School	G2/H2
Hall , Marie – Kansas State Department of Education	F8
Hall , David – Montana University System	E7, Focus on Career Clusters
Hall , Nancy – Alpine Associates	E7
Harden , Dennis – Missouri Department of Elementary and Secondary Education	G4/H4
Harkin , Gisela – US Department of Education, OVAE	C7, D2, F1
Hastings , Matt – FutureForce Nebraska	E1
Henderson , Beth – Tulsa Technology Center	C3
Holland , Ellen Kelly – OVAE, U.S. Office of Education	H5
Horan , Scott – Jefferson County School District	B8
Hudis , Paula – ConnectEd: The California Center for College and Career	C6, E2
Jackson , Guy – Wyoming Department of Education	A4
Jacobson , Kevin – Burleson High School	B7
Jennings , Kriza – Oak Grove Technologies	F1
Johnson , Amanda – Lake Travis ISD	D8
Koch , Gretchen – CompTIA	B8, Focus on Career Clusters
Kueker , Doug – States' Career Clusters Initiative	B5, D5, E5, F6, G5, H3
Larkin , Carol – Lakeland Tech Prep Consortium	B2, F3

Alphabetical Listing of Institute Presenters

Presenter Name – Agency

Session Location

Lawson , Denise – Oak Grove Technologies	F1
Leaveck , Patrick – Project Lead the Way	A7
Lewis , Deanna – Home Builders Institute	Focus on Career Clusters
Lewis , Will – Career & Technical Education, Tennessee State Department of Education	B6
Lomax , Melissa – Career-Technical and Workforce Education Bureau	C5
Lopez , Al – Workforce Solutions-Rural Capital Area	C2
Lorentzen , Ivan – Montana Department of Education	General Session
Malyn-Smith , Joyce – Education Development Center, Inc.	F7
Martin , Tom – Wyoming Department of Education	A4
McCage , Ronald – VTECS	A5, Focus on Career Clusters
McCann , Tina – Lake Travis ISD	D8
McFarland , Jayne – Pasadena ISD	C4, D4
Moeller , Michelene – St. Louis Community College	G4/H4
Nickel , Robin – Wisconsin Technical College System Foundation, Inc.	F4
Orwig , Barbara – Career Communications, Inc.	Focus on Career Clusters
Overton , Angie – Kuder, Inc.	G7
Park , Kathy – Texas Education Agency	G3
Pearson , Donna – NRCCTE	A6
Phillips , Cindy – Ozarks Technical Community College	G4/H4
Powell , Cindy – Texoma Tech Prep	H6
Prevatt , Ed – National Center for Construction Education and Research	G6
Pritz , Sandra – NOCTI	F5
Runion , Kim – New Hampshire Department of Education	Focus on Career Clusters
Salazar , Diane – Texas Education Agency	G3
Salter , Brian – Public Education Department	C5
Schoelkopf , Jim – MPR Associates, Inc.	A4
Schulz , Terri – Project Lead the Way	A8, Focus on Career Clusters
Scotchel-Gross , Constance – School District of Palm Beach County	A2
Scott , Linda – Education Development Center, Inc.	F7
Simon , Mary – Alabama Department of Education	G1
Smith , Jean – Alief Independent School District	C4
Smith , Daniel – National Career Academy Coalition (NCAC)	D3
Stacy , Carole – National Consortium of Health Science & Technologies Education	Focus on Career Clusters
Stone III , James – National Research Center for Career and Technical Education	D6
Taylor , Valerie – Center for Energy Workforce Development	H1
Thomas , DeAnn – Montana Department of Education	General Session
Thompson , Marty – Texas Department of Education	General Session
Torrens , Peggy – Kansas State Department of Education	F8
Trujillo-Chavez , Lena – Pecos Valley Regional Education Cooperative	B4
Tucker , Sue – CTE, Division of Tennessee State Department of Education	B6
Unterreiner , Joe – Montana Department of Education	General Session
Vandever , Scott – Kuder	G7
Volker , Erika – Partnerships for Innovation	A1, C7, E1
Vrbka , Donna – US Department of Education/Nebraska Department of Education	D2
Wheelan , Belle – Southern Association of Colleges and Schools	Keynote Speaker
White , Barbara – Hawaii Department of Education	C7
Whitson , Ron – Texas Education Agency	G3
Wigert , Teri – Wyoming Department of Education	A4
Wong , Cindy – Career Cruising	H7
Wrobleski , Sarah – Pasadena ISD	C4, D4
Wyckoff , Shelli – NASDCTEc/NCTEF	B5, E5
Zorn , Dan – Montana Department of Education	General Session

Coming Soon!

NEW

Kuder® Career Planning System suite of solutions for all ages!



For years you have relied on our proven solutions to navigate life's career journey, and with the new suite you can continue to do so with:

Kuder® Galaxy – Career awareness experience for all elementary students with four categories of activities: Play, Watch, Do, and Explore.

Kuder® Navigator – Based on the classic Kuder tools, but with a fresh design, more interactive features, and reliable tools redeveloped for today's middle and high school students.

Kuder® Journey – Tailored to the individual needs of college students and adults, whether they are just beginning the job search, lost their job, or looking to advance their career.

Contact us today to learn more!
www.kuder.com • info@kuder.com • 877.773.8444



5/09

NATIONAL GUARD PARTNERS EDUCATION

“WHAT DO YOU WANT TO BE WHEN YOU GROW UP?”

If your students aren't sure, we can help.

Members of the Army National Guard hold diverse civilian occupations. Call on a local Guard member to share his or her career story with your students.



Visit the Career Mentor Database at WWW.PARTNERSINEDUCATION.COM to find a career mentor near you.



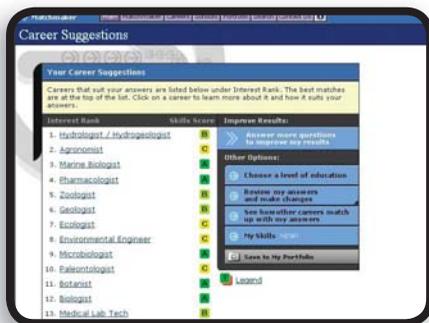
Save the Date!

June 14-16, 2010 | Denver, Colorado

8th Annual National Career Clusters Institute
Using Pathways to Reach New Heights



CareerCruising The Complete Guidance System



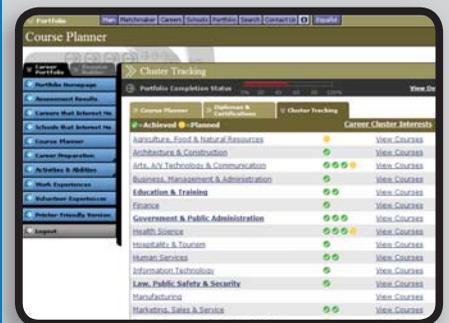
User-friendly online career exploration and portfolio development

CareerCruising CoursePlanner



Career-focused, SIS-integrated course selection software

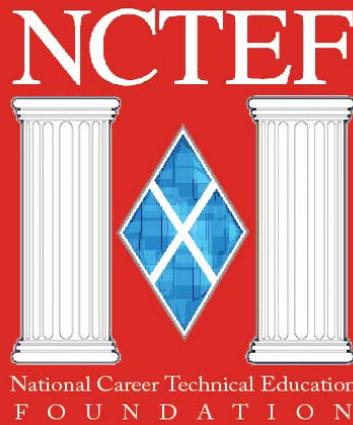
Career Cluster Integration



Career Cruising incorporates Career Clusters, Career Pathways, and Programs of Study to enhance the career exploration and planning process

Contact us for more information:
 Phone: 1-800-965-8541
 Email: sales@careercruising.com
 Web: www.careercruising.com

This Institute has been sponsored by:



Program printing & design courtesy of:

