Reflect, Transform, Lead
Minnesota Career and Technical Education Conference
November 10, 2010
Crowne Plaza Minneapolis West

GENERAL SESSION
8:30 - 9:30 a.m.
Regency Room

OVERVIEW AND WELCOME

JoAnn Simser
State Director, Career & Technical Education, Office of the Chancellor, Minnesota State Colleges & Universities

Dan Smith
Education Supervisor, Center for Postsecondary Success, Minnesota Department of Education

Michael Murphy
Associate Vice Chancellor for Strategic Partnerships, Career and Workforce Development, Office of the Chancellor, Minnesota State Colleges & Universities

Karen Klinzing
Deputy Commissioner, Minnesota Department of Education

KEYNOTE PRESENTATION

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

Reflect, Transform, Lead: A New Vision for Career Technical Education outlines a commitment by CTE leaders to adopt a unified vision that is framed by a set of progressive principles and actions. The vision will lead to the implementation of common CTE objectives and standards aligned to The National Career Clusters framework, which is structured to prepare students for postsecondary education and careers. This will require the implementation of aligned standards, curricula and assessments that are designed by educators and business/industry, and delivered in seamless programs at the secondary and postsecondary levels.

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

This general session will provide an overview of “Reflect, Transform, Lead,” with more detail and discussion on the five principles to follow in the related breakout sessions.

Kimberly Green is the Executive Director of the National Association of State Directors of Career Technical Education Consortium (NASDCTEc). At NASDCTEc Green leads and manages the organization and has helped start and grow the States’ Career Clusters Initiative. Green serves on a variety of boards and taskforces representing the organization including the Executive Committee of the National Career Academy Coalition and the National Center for Education Statistics Technical Review Panel on CTE data. She has been with NASDCTEc since 1993, previously holding the positions of Assistant Executive Director and Government Relations Assistant.
BREAKOUT SESSIONS

Reflect, Transform, Lead: A New Vision for Career Technical Education
9:45 – 10:45 a.m., repeated 11:00 a.m. - 12:00 p.m., Regency Room
This session will provide more in-depth information on the five principles under “Reflect, Transform, Lead: A New Vision for Career Technical Education, along with discussion on their application and impact within Minnesota CTE.

Presenters: Kim Green, National Association of State Directors of Career Technical Education Consortium; JoAnn Simser, Minnesota State College and Universities

Technical Skill Assessment Overview
9:45 – 10:45 a.m., Conference Room C
Learn about the Minnesota Technical Skill Assessment (TSA) project in this session. Who is involved in this statewide project? Why is this important? What are the overall outcomes of this initiative? How will this affect my program and my classroom? How can I become more involved?

Presenters: Dan Smith, Center for Postsecondary Success, Minnesota Department of Education, will lead the discussion and answer questions that you might have on this important topic.

Programs of Study: Statewide Update and Local Examples
9:45 – 10:45 a.m., repeated 11:00 a.m. - 12:00 p.m., Conference Room D
Come and join our session to hear about the great new updates and changes in www.mnpos.com for FY11. Hear about four different implementation models or ideas for using programs of study with students. Help us with brainstorming and problem solving regarding implementation across the state. Let us know what ideas make sense to you, what barriers you're still facing, how can we help each other.

Presenters: Sandy Fabian, St. Cloud Technical & Community College and Office of the Chancellor; Scott Arcand, Anoka-Hennepin Schools; Tim Amlie, Hopkins Schools; Jean Rakun - Wayzata Schools (9:45 session only); Trish Shindelar, Plainview/Elgin/Millville Schools

Program Advisory Committees: A Consortium Approach
9:45 – 10:45 a.m., Conference Room E
The 2010 Minnesota Program Advisory Committee Handbook outlines the structure, function, and processes of effective CTE advisory committees and incorporates Perkins IV requirements and uses of new technologies for communications. The purpose of the handbook is to help program advisory committee chairs and members, CTE administrators, and instructors improve the overall quality of career pathways, and the CTE programs within those pathways, through the use of results-driven advisory committees. All session attendees will receive a copy of the 2010 Minnesota Program Advisory Committee Handbook.

Presenter: Lloyd A. Petri, Program Coordinator for the Southeast Perkins IV Consortium

NOCTI Basics - Fundamentals for Assessment Process Success
9:45 – 10:45 a.m., repeated 11:00 a.m. - 12:00 p.m., Conference Room F
Key concepts, useful tips, techniques and tools will get you started in the right direction to skillfully manage a productive and successful assessment process. Learn how to become a NOCTI client, how to use our easy online ordering system and how our Assessment Blueprints can help instructors improve curriculum and student performance. With time allowed for questions to be addressed, participants will leave with a complete picture of "getting started" with NOCTI.

Presenter: Lana Ford is Division Manager for Sales Marketing and Public Relations, NOCTI and The Whitener Group, Big Rapids, MI
Integration of Academics & CTE: Math in CTE
9:45 - 10:45 a.m., Conference Room H
The Northeast Metro 916 Career and Tech Center (CTC) is in the second full year of Math in CTE project. The goal was to integrate the math into the curriculum to boost GRAD and Accuplacer test scores, employability, as well as confidence in students’ math abilities. Auto Technician was the first program three years ago to begin the process and through experience, it has expanded to the Construction, Cosmetology, and Design programs. This presentation will go over the process of integration, challenges, and results of integrating Math in CTE at CTC; as well as how this was accomplished in Design and Interactive Media.

Presenters: Erick Lehet, Math Coach Career and Technical Center; Connie DeMillo, Design and Multimedia Instructor, Career and Technical Center; Deanne DeGraff, Principal, Career and Technical Center

Almost a Free Lunch: BestPrep Resources for Teachers
9:45 - 10:45 a.m., Conference Room I
Be fiscally responsive and stay within your budget by using BestPrep’s free and low cost programs. During the school year, BestPrep connects students to professional email mentors, enhances classes’ content by arranging volunteer speakers to speak on a variety of topics, and provides curriculum through our Stock Market Game™ program. During the summer months, BestPrep offers professional development for educators on technology integration, which includes a job shadow for teachers, and runs a summer camp for high schools encouraging career exploration.

Presenters: Bonnie Vagasky, Vice President-Special Projects, BestPrep (Manages eMentors and the Technology Integration Workshop for BestPrep); Judy Follmuth, Facilitator, Zumbro Education District (Has promoted the Technology Integration Workshop to her area districts and as a result many teachers have attended and thoroughly enjoyed their time); Kara Mueller, Career & Technical Education Director, St. Louis Park High School (Has successfully used several BestPrep programs in her class; is currently participating in eMentors)

Perkins 101 for Faculty/Teachers
9:45 - 10:45 a.m., repeated 11:00 a.m. - 12:00 p.m., Board Room 1
A short introduction to the Perkins Act of 2006 (informally called - Carl D Perkins IV) will be presented describing the rules and regulations, policies and practices, and overall direction and structure of Perkins in Minnesota.

Presenters: Marlys J. Bucher, Ph.D., Coordinator Secondary Perkins, CTE Assessment and Evaluation Program Specialist, Minnesota Department of Education; Susan D. Carter, Associate Director for Research, Office of the Chancellor, Minnesota State Colleges & Universities

Engaging Diverse Populations: Students & Parents
11:00 a.m. - 12:00 p.m., Conference Room C
This session will provide an overview of two approaches for connecting with diverse parents and students within our schools and higher education institutions. Participants will leave with some strategies for building relationships with this population and recommendations for implementing their own initiatives to support diverse parents and students. This session format will provide an opportunity for open discussion and Q & A with the presenters.

Presenters: Alexander Hines, Director of Inclusion & Diversity Winona State University; Mo Amundson, Education-To-Careers (ETC), Rochester School District, Rochester Consortium

College-Level Accounting Project (Pilot to AP Accounting)
11:00 a.m. - 12:00 p.m., Conference Room E
Join a conversation about the Minnesota College Level Accounting Project. The panel will discuss the inception of the project, the connection to the national project that is seeking Advanced Placement status for accounting, articulation and credit issues and plans for training in July 2011.

Presenters: Members of the steering committee for the project - Jean Rakun (representing Perkins Consortia, host site for training); Cindy Drahos (classroom teacher at Burnsville High School, training participant this year and President of Minnesota Business Educators, a project partner), Kara Mueller (classroom teacher at St. Louis Park High School and has implemented college level accounting at her school); and Jean Kyle (Business and Marketing Education Specialist at Minnesota Department of Education)
**Tools for Work Based Learning Skill Assessment**
11:00 a.m. - 12:00 p.m., Conference Room H
During this session participants will learn about possible assessments that will be reviewed as part of the Foundation Knowledge and Skills technical skill assessments

Presenter: Al Hauge, Minnesota Department of Education, Work Based Learning Specialist

**Perkins Consortium Best Practices: Governance and Technical Skill Assessment**
11:00 a.m. - 12:00 p.m., Conference Room I
Minnesota’s 26 Perkins Consortia were locally created and reflect the strengths of previous partnerships and the needs and resources of the specific regions in which they are located. They all provide improved opportunities for CTE students. Sharing among consortia about what does and does not work will build capacity of all the groups. This session will focus on governance practices and documentation utilized in the Southeast Minnesota Perkins IV Consortium along with a consortium approach to Technical Skill Assessment underway at Dakota Technical College in the Dakota County Consortium.

Moderator: Lloyd Petri, Southeast Minnesota Consortium
Presenters: Steve Zmyewski and Wanda Jelle, Southeast Minnesota Consortium; Christine Pigsley, Dakota County Consortium

**Technical Skill Assessment Roundtables: Accounting, Marketing, Law Enforcement Services, Therapeutic Services, Diagnostic Services, Work Based Learning**
1:00 – 2:00 p.m., Conference Rooms J3, J4, J7, J8, J9, J10
Each of the pathways listed above will meet in a separate room. Each session will provide a brief summary of Minnesota’s Technical Skill Assessment process. Following the summary, participants will hear a specific overview of the chosen pathway(s). The facilitator will review the occupations included in the specific pathway; review the core competencies identified for that pathway; review the assessment blueprint and list of FY ’10 state approved skill assessments. There will also be time for questions and answers.

**Equity Showcase**
1:00 – 2:00 p.m., Regency Room
This past year Perkins consortia were invited to participate in two programs that examined practices to support underrepresented genders in CTE: Science, Technology, Engineering and Math (STEM) Equity Pipeline and the MN New Look Projects. A brief overview will be given of the programs. Participants are then invited to enjoy a poster session and visit with teams from the participating consortia. They will share the projects they have worked on such as STEM camps, surveys, career exploration events, and marketing. Information will also be shared about plans for FY2010 - 2011 which includes supporting new teams through mentoring.

Presenters: Eva Scates-Winston, Minnesota State Colleges & Universities and local practitioners: Mo Amundson, Barbara Fritz and Janell Holter, Rochester/ZED Consortium; Jill Abbott, Lakes Country Consortium; Cynthia Muna, Hennepin West Consortium; Charity Costa-Reese and Shirley Beil, Southwest Metro Consortium; Janet Meier, Mid-Minnesota Consortium; Margie Tomsic and Jill Johnson, St. Paul Consortium; Kathi Rusch, South Central Consortium; Gail Polejewski, Minnesota West Consortium

**ProStart Certification for FACS Teachers**
1:00 – 2:00 p.m., Conference Room D
ProStart is an industry developed curriculum that allows for students to learn the skills necessary to pursue a career in the foodservice and hospitality industry. Learn more about the program and the training necessary to offer a program in your school.

Presenter: Mary Levinski, FACS Teacher, Sauk Rapids-Rice High School, has been involved with ProStart since its inception in Minnesota, advises the culinary competition teams at her high school and has taken students to represent MN at the last three national competitions by winning the state competition.
CTE On-Line Learning
1:00 – 2:00 p.m., Conference Room E
Learn how northwest colleges and secondary high schools are partnering through Online College in the High School (OCHS) to expand access to college level, online Career and Technical Education courses in health, business, computer technology, and human services. Hear what students are saying about their experience with Online College in the High School. This session is designed for secondary administrators, counselors, and teachers.

Presenter: Murray Turner, Director Pine to Prairie Cooperative Center and OCHS Coordinator

SkillsUSA Workforce Ready System - Assessments for a New Generation
1:00 – 2:00 p.m., repeated 2:15 – 3:15 p.m., Conference Room F
Learn about the New Skill Connect Assessments, part of the Work Force Ready System. Skill Connect Assessments provide assessments for Career and Technical Education that are supported by industry, education and policy leaders. The system helps instructors prove the benefit of their programs, and most importantly, helps young people towards rewarding careers. Available in more than 46 unique areas, Skill Connect Assessments offer a reliable evaluation of technical knowledge and skill. The system is supported by a comprehensive administrative tools system that makes using the program simple.

Presenters: Tim Lawrence, Executive Director, SkillsUSA, Inc.; Jennifer Polz, State Association Director, SkillsUSA Minnesota

FastTRAC Best Practices
1:00 – 2:00 p.m., Conference Room H
The current economic recession underscores the value of education to the workforce - workers with lower levels of education and skill experience unemployment at double or triple the level of more high educated workers (US Bureau of Labor Statistics: www.bls.gov/news.release/empsit.t04.htm) Minnesota FastTRAC (Training, Resources, and Credentialing) partners across Adult Basic Education, Human Services, Workforce Development, and Higher Education, striving to make systemic changes that improve outcomes for low-wage, educationally underprepared adults who seek to obtain a postsecondary credential and earn a family sustaining wage. Part of the Joyce Foundation Shifting Gears Initiative, FastTRAC builds career pathways for adults along an educational continuum, from foundational preparation to stackable credentials or a degree. Come hear about the latest FastTRAC work.

Presenter: Judy Mortrude, FastTRAC Program Administrator, Department of Employment and Economic Development (DEED). Judy spent over 20 years in Adult Basic Education before recently moving to DEED to work on the FastTRAC Initiative.

Perkins Consortium Best Practices: Career Academies & Health Sciences Partnership
1:00 – 2:00 p.m., Conference Room I
Minnesota’s 26 Perkins Consortia were locally created and reflect the strengths of previous partnerships and the needs and resources of the specific regions in which they are located. They all provide improved opportunities for CTE students. Sharing among consortia about what does and does not work will build capacity of all the groups. This session will focus on Career Academies in the St. Paul Perkins Consortium, demonstrating an approach taken in an urban setting; and a Health Sciences Partnership in the Carlton County+2 Consortium, addressing needs in a more rural area.

Moderator and Presenter: Lynette Maas, Carlton County+2 Consortium
Presenter: Kathy Kittel, St. Paul Consortium
Integration of Academics & CTE: Science in Agriculture
1:00 - 2:00 p.m., Board Room 1
An overview of two delivery systems for science in agriculture, food and natural resources curriculum.

1: The Curriculum for Agricultural Science Education™ (CASE™) project develops a structured sequence of agriculture courses and serves as a model for elevating the rigor and relevance of agricultural education. CASE is much more than just curriculum. In fact, CASE is a system of instructional support for the classroom teacher like no other resource in agricultural education today. The CASE model provides four major areas of support to promote solid classroom instruction using rigorous and relevant lessons while enhancing student learning. The four areas of teacher support include curriculum, professional development, assessment, and certification. Each area contributes to the validity of CASE instructional materials by ensuring that teachers are properly equipped and trained and student learning is clearly accountable.

2: MyCAERT is an on line AFNR curriculum resource available to all Minnesota Ag Educators. Curriculum libraries include Animal, Plant, & Soil Science; Minnesota Natural Resource Science; and Biological Applications in Agriculture.

Presenters: Brad Schloesser, Agribusiness Management, South Central College - Mankato, MN, CASE Advisory Board Member, SCC hosted CASE AFNR Professional Development 2010; Joel Larsen, Program Specialist Agricultural Education - Minnesota Department of Education, Adult and Career Education

2:15 – 3:15 p.m., Conference Rooms J3, J4, J7, J8, J9, J10, J11
Each of the pathways listed above will meet in a separate room. Each session will provide a brief summary of Minnesota’s Technical Skill Assessment process. Following the summary, participants will hear a specific overview of the chosen pathway(s). The facilitator will review the occupations included in the specific pathway; review the core competencies identified for that pathway; review the assessment blueprint and list of FY ’10 state approved skill assessments. There will also be time for questions and answers.

Career Development Practices – ISEEK, GPS Life Plan & MCIS
2:15 – 3:15 p.m., Conference Room C
Minnesota has multiple instruments that enhance the process of career development. This session will visit a few of the widely used ones throughout the state.

Presenters: Al Hauge, Career Development Specialist, Minnesota Department of Education; Eva Scates-Winston, Equity & Collaboration Specialist, Minnesota State Colleges & Universities; Denise Felder, ISEEK Specialist, Minnesota State Colleges & Universities; Michele Jersak, Century College

Supporting Health Care Careers through a State Agency Partnership
2:15 – 3:15 p.m., Conference Room D
This session will provide information on how the Minnesota Departments of Health and Education are working in partnership to promote health career exploration for K-12 students.

Presenters: Mike Mitchell, Health Science Education Specialist, Minnesota Department of Education; Lawrence Colaizy, Retention Coordinator, Office of Rural Health, Minnesota Department of Health

Labor Market Update
2:15 – 3:15 p.m., Conference Room E
Minnesota’s labor market has witnessed dramatic changes over the last two years. This presentation will cover the major changes that have taken place and where we stand today in terms of where hiring is taking place. The presentation will also cover the short and long term employment trends that are projected in the next year and the next decade.

Presenter: Kyle Uphoff is the Regional Analysis and Outreach Manager with the Minnesota Department of Employment and Economic Development. He supervises the production and dissemination of local labor market expertise through DEED’s five Regional Analysts.
**Adult Programs of Study**  
*2:15 – 3:15 p.m., Conference Room H*

This session will introduce counselors, faculty, and college staff to a proposed web-system for addressing adult programs of study, which will build on the existing [www.mnpos.com](http://www.mnpos.com), by utilizing an open source web system from Oregon and ISEEK. The goal for this session is to solicit input from the audience on how MN can create a road map web tool that will be used by the colleges to serve adult students in Programs of Study.

Presenter: Cynthia Muna, Director of Perkins, North Hennepin Community College and Office of the Chancellor

**Mathematical Software for Student Success**  
*2:15 – 3:15 p.m., Conference Room I*

This session will provide an overview of efforts by Mark Thomas to establish MnSCU system-wide site licenses for Maple and Mathematica, the two most popular mathematical software packages. Mark will also unveil details of a program that will make available, free-of-charge, five concurrent Maple licenses for any high school in Minnesota interested in participating. Co-presenter Paul Cusick will demonstrate the use of Maplesoft - Maple and discuss how mathematical software can help in meeting the learning objectives defined in the Minnesota Academic Standards.

Presenters: Mark Thomas - Emerging Technology Architect and Software Contract Management Minnesota State Colleges & Universities, Office of the Chancellor; Paul Cusick, Gage ResTech Services & ImageNow Software Support Coordinator, Minnesota State University - Mankato

**Strategies to Engage Girls in STEM**  
*2:15 - 3:15 p.m., Board Room 1*

The new PBS Kids television series, SciGirls, features groups of middle school girls modeling authentic approaches to inquiry-based science and engineering projects. Our television series, website, and outreach initiatives emphasize current research on strategies, the SciGirls Seven, proven to increase girls’ engagement in STEM. This workshop will demonstrate these strategies and encourage all in attendance to share their own experiences and discuss best practices. Participants will receive a SciGirls Seven booklet and gain awareness of our additional free resources for girls, parents, and educators.

Presenter: Lisa Regalla, PhD, Twin Cities Public Television - Manager of Science Content & Outreach for SciGirls