

4/30/2012

THE 2012 SKILLSUSA UNIVERSITY is a great opportunity for instructors and students to attend free educational seminars on a variety of topics. SkillsUSA University features the latest trends, new technology and the best career opportunities. Seminars will be held at the Marriott Downtown and Bartle Hall. Sessions are one hour except as noted. Topics include new industry trends and technology, career paths, safety programs, SkillsUSA programs and more. All participants receive a certificate of participation, and many sessions include free handouts, software, curriculum previews and other resources for teachers, students and parents.

This year's SkillsUSA University sponsored by:

■ **Special Workshop** **Sunday, June 24**

HEARTSAVER CPR CERTIFICATION

For educators and students (all trades). (Online preregistration is required of all participants at: <http://www.surveymonkey.com/s/936H8BM>) Every 3 seconds in the United States someone suffers from a cardiac arrest or other cardiac-related emergency. The American Heart Association (AHA) now offers a hands-on approach to ensure victims receive immediate care by non-medical personnel. This short skills university session will provide the basic knowledge to save a life in the event of such emergencies. If the individual is seeking a certification, there will be a \$20 charge. Presenter: Brice Harader-Pate, RN, BSN and alumna and Emily Hughes, alumna. **1 – 4 p.m., Truman B.**

■ **Special Session** **Monday, June 25**

ADVISORS' CALL TO ACTION

All instructors are invited to the Call to Action session in the second-floor ballroom of the Marriott Downtown. It begins with a continental breakfast at 7:45 a.m. The session follows at 8:30 a.m. Meet executive director Tim Lawrence to learn about SkillsUSA's priorities in upcoming months, its new long-range vision and the latest legislative news. The session concludes with the presentation of this year's Outstanding Educator Awards. Teachers who attend will receive an appreciation gift and there will also be door prizes. Don't miss this important event! **8:30 a.m., Marriott Downtown, Count Basie Ballroom (second floor).**

■ **Special Workshop** **Monday, June 25**

NATEF EVALUATION TEAM LEADER TRAINING

For educators. (Online preregistration is required of all participants at: www.natef.org; click on "about us" and then click on "schedule of events.") This seven-hour session is Evaluation Team Leader (ETL) training. This workshop is required of all secondary and postsecondary automotive service technology, collision repair and refinish, and medium/heavy truck mechanic training program instructors who desire to be evaluation team leaders and lead on-site evaluations of training programs that are seeking NATEF accreditation status. The training is also for those who have previously received ETL training, but who have not led an on-site evaluation in the past three years.

Upon successfully completing this training and passing an end-of-training take-home quiz, participants will have fulfilled the requirements to become an ETL. Each training participant will receive a complimentary ETL manual. An added feature to this year's ETL training session may include information and requirements for automotive programs to become accredited under a pending proposed NATEF accreditation model. Location: Longview Community College's automotive training facility in Lee's Summit, Mo. NATEF will provide round trip transportation to the training site and a complimentary lunch for all participants. Presenter: Darrell L. Parks, NATEF educational consultant. **9 a.m. -4 p.m.** Meet in front of the Kansas City Marriott Downtown at 8:30 a.m. for transportation to Longview Community College, with a return to the Marriott after 4:30 p.m.

■ Monday Sessions

June 25

Marriott Downtown

SKILLSUSA NEW ADVISOR TRAINING

For educators, new high school or college/postsecondary advisors or those with limited experience. Get a quick but comprehensive overview of SkillsUSA. Learn the basics of organizing a chapter each fall: holding a kickoff, electing and training officers, planning an effective program of work, integrating SkillsUSA into the technical curriculum, handling chapter finances, preparing for competition and teaching the Professional Development Program. Presenter: Caitlin Cahill, state certified trainer and Orono School District, technology integration specialist, Minnesota. **10 a.m., Bennie Moten A&B.**

PRACTICAL TIPS FOR PRACTICAL MEETINGS

For educators and students (all trades). This highly dynamic 50-minute session will give students and instructors useful ideas on making the most of chapter meetings. Participants will take away practical tips and techniques in making meetings short and to the point, while actually getting more things done. Further, participants will see how to fit chapter meetings into the classroom environment and fit into the career and technical education curriculum. Presenters: Mark Johnson, university professor, Pittsburg State University, Kansas; Virginia Berberick, professional registered parliamentarian. **10 a.m., Mary Lou Williams A&B.**

SO YOU WANT TO BE A NATIONAL OFFICER

For educators and students (all trades). Have a student you think would make a good national leader? Have you wanted to run for a national SkillsUSA office but weren't sure how? Then this webinar is for you! Our experts will provide an overview of the national officer candidate procedures and national officer responsibilities. You will also get to hear first-hand experience from a past national officer, Kevin Griendling. Presenter: Stephanie Bland, SkillsUSA staff. **10 a.m., Lester Young B.**

SKILLSUSA — "CHAPTER ONE"

For students (all trades). The success of SkillsUSA starts at the chapter level. How do we create successful chapters? Join us as we explore ways to make our local chapters even more exciting, impactful and valuable to our members. This fast paced, high energy workshop supports the content of the new SkillsUSA chapter leader conference "Activate." Come check it out to see what all the excitement is about! Presenter: Ashley Hopkins, "Activate" facilitator and former SkillsUSA national officer. **10 a.m., Jay McShann A.** (Also on Wednesday, June 27 at 9 a.m., Bartle Hall 2205).

ACCELERATE, EFFECTIVE TEACHING STRATEGIES TO ENHANCE STUDENT LEARNING

For educators. Students exhausted by lecture and just want to get to the lab or shop? Wish your students were as on task in the classroom as they are in the lab? Come explore the new classroom tool from SkillsUSA. Come hear teacher tested, student approved strategies to engage students when delivering new content, digging deeper or reviewing content. Accelerate will be available this fall and will be listed in the SkillsUSA Educational Resource Catalog. Participants will explore this new resource in-depth and receive a free copy of the book. Come join in the fun! Presenter: Dr. Brad Dodson, teacher educator, Chico State University. **10 a.m., Jay McShann B.** (Also on Tuesday, June 26 at 10 a.m., Bartle Hall 2504B).

JOB SEARCH SUCCESS — STEPS TO GET THE JOB YOU WANT

For high school and college/postsecondary students. Learn the best practices and latest trends in the job search process, including researching companies, writing winning résumés and dressing appropriately. Included are: body language tips; answers to typical, tough interview questions, and questions to ask the interviewer. Presenter: Debbie Peabody, engineering/architectural drafting instructor and department chair, Union Grove High School, McDonough, Ga. **10 a.m., Lester Young A.**

ZERO WASTE TO LANDFILL IS POSSIBLE

For educators and students. This session will provide insight on how to turn your facility into a waste free business. Discuss the importance of sustainability and how to form a green team. Topics will include the green team role, increasing recycling and minimizing water and energy usage. The instructor will provide insight on how to engage your workforce, no matter the size of the facility and will review the details of successes and challenges that it takes to turn your company into a zero waste to landfill company. Join the session to get some good ideas for starting or

improving sustainability at your company! Presenter: Brenda Demaree, facility and sustainability manager, Purdy Professional Painting Tools. **10 a.m., Big Joe Turner B.**

CAREERS IN CONSTRUCTION

For educators and students in construction. Learn about the industry and its great career opportunities. Presenters: Boyd Worsham, vice president of construction support, Haskell Co. and Ed Prevatt, senior manager for workforce development, National Center for Construction Education and Research. **10 a.m., Colonial Ballroom (first floor, Muehlebach Tower).**

ADDING SUBLIMATION AND SCREEN PRINTING TO YOUR GRAPHIC COMMUNICATIONS PROGRAM

For educators and students. Learn how to add a sublimation printing and screen printing lab to your school's graphics communications lab. Many programs have been revitalized, and it's an exciting way for students to expand their creativity and learn real job skills. Learn about the equipment needs and curriculum available. Handouts include equipment lists and how to get started. Presenter: James Ortolani, national sales manager, HIX Corp. **10 a.m., Julia Lee A.**

TEACHING AND USING KITCHENCALC CALCULATOR IN CULINARY PROGRAMS

For all educators in food service and hospitality. Yikes! You find a great recipe, but it only serves four, and you need to feed 125 guests. What are you going to do? Grab your KitchenCalc and start by quickly inputting the original number of servings, then the number of servings you want to make. Enter the original quantity of each food item and press "Adjust Recipe." It's that simple! Presenter: Denise Baxter, chef/culinary arts teacher, Mountain View High School, Virginia. **10 a.m. and 1 p.m., Big Joe Turner A.**

COLLISION REPAIR EDUCATION FOUNDATION AND YOUR COLLISION REPAIR TRAINING PROGRAM

For educators and students in collision repair. Learn about what grant and scholarship opportunities are available through the Collision Repair Education Foundation to benefit a school's collision repair program, its instructors and its students. There will also be an opportunity for attendees to voice their opinion about what grants and scholarships are needed in their school and the Foundation will answer questions about how they can help make up for budget shortfalls. Details about the Collision Repair Education Foundation's Ultimate Collision Education Makeover \$50,000 grant will be discussed as well. Presenter: Melissa Marscin, assistant director of grant programs. **10 a.m., Julia Lee B.** (Also on Tuesday, at 1 p.m., Bartle Hall 2504A.)

EXPERIENCE THE POWER OF SOLANO PROFESSIONAL SALON TOOLS

For educators and students in cosmetology. Receive in-depth knowledge about the latest cutting-edge technologies of Solano tools, plus hairstyling demonstrations and techniques to help create sophisticated styles that are true works of art. Our featured artist is Justin Callaghan, owner of EVOLVE Hair, which was voted one of the top five salons in Kansas City in 2010 and 2011 (the first two years open for business). Justin has also been voted one of the Top five stylists in Kansas City in 2010 and 2011. The core belief as to why the salon has done so well so quickly is his commitment to providing quality education and inspiration to everyone he comes in contact with. His passion for this industry comes through in his actions and his words. Gifts from Solano and drawings will take place throughout the session. Presenters: Kelly Connors, sales manager, Solano; Justin Callaghan Solano guest hair artist. **10 – 11:30 a.m., Andy Kirk A&B.**

INCLUSION AND DIVERSITY

For educators and students (all trades). Learn about SkillsUSA's efforts from the program specialist who chairs SkillsUSA's Inclusion and Diversity Committee and works with SkillsUSA's Office of Education, Training and Assessments. Using short videos, visuals and handouts, she will address how and why SkillsUSA strives to ensure inclusive participation in all of its programs, partnerships and employment opportunities. Presenter: Stephanie Bland, SkillsUSA staff. **11:30 a.m., Big Joe Turner B.**

NATIONAL OFFICER CANDIDACY — WHAT'S NEXT?

For educators and students (all trades). Get a better understanding of SkillsUSA's national officer candidate procedures during the national conference week: campaign material review, written exam, interview and opportunities to re-evaluate declared positions (at-large, regional vice president and undeclared). Learn about delegate counts and the impact on a candidate's chances for success, various delegate sessions and what to expect, and voting procedures. Presenter: Mark Church, SkillsUSA House of Delegates advisor. **11:30 a.m., Lester Young B.**

WE TEACH CARPENTRY, NOT HOW TO USE A HAMMER

For educators. No previous marketing experience needed! Join us in exploring a new educational resource from SkillUSA entitled *Skilled Marketing*. Learn how to build support for your technical classroom and SkillsUSA chapter from school administrators, business and industry, parents and community members. Having a quality program that

changes students' lives is not enough – you must market it! This book provides step by step tools to implement a marketing plan and to teach your students an essential life skill. Start building your chapter's marketing plan today with the authors of this book and receive a free copy. Presenters: Gregg Christensen, entrepreneurship education specialist and Carol Ringenberg, human services and education and health sciences career field specialist, Nebraska Career Education. **11:30 and 2:30 p.m., Julia Lee A.**

WE'RE HERE. NOW WHAT?

For students (all trades). Congratulations! Your efforts have paid off—chapter membership is growing, but how do you keep your members coming back for more? This session is all about finding ways to keep your members involved. This fast paced, high energy workshop supports the content of the new SkillsUSA chapter leader conference “Activate.” Come check it out to see what all the excitement is about! Presenter: Peyton Holland, “Leverage” facilitator, former SkillsUSA national officer and motivational speaker and trainer. **11:30 a.m. and 2:30 p.m., Bennie Moten A/B.**

ALIGN YOUR CTE PROGRAM WITH INDUSTRY RECOGNIZED CREDENTIALS

For educators in construction trades. Learn more about the NCCER secondary and postsecondary program of study for career and technical education. The National Center for Construction Education and Research is a not-for-profit education foundation created by leading contractors and associations to develop standardized craft training and assessment programs with portable credentials. Objectives: provide rigorous technical standards developed by the construction industry, prepare students for a high skill, high wage career paths, provide portable credentials valued throughout the construction industry, meet Perkins standards, provide online training opportunities for students, provide “green” environment training with certificate and instructor certification. Presenter: Ed Prevatt, director for Workforce Development, NCCER. **11:30 a.m., Colonial Ballroom (first floor, Muehlebach Tower).**

CAREERSAFE ONLINE – DELIVERING OSHA 10-HOUR CURRICULUM AND CERTIFICATION

For educators. CareerSafe Online provides educators with online curriculum, resources and tools necessary to effectively deliver the interactive curriculum to their students. This proactive Web-based training is designed to provide entry-level workers with fundamental safety knowledge needed in the workplace. If students are successful, they will receive an OSHA 10-Hour Certificate and wallet card. This approach to safety can maximize student achievement and help develop life-long, self-directed learners. Presenter: Andrea Foster-Mack, National CareerSafe Online program manager. **11:30 a.m., Jay McShann A.**

WINNING VIDEO CONTESTS/SOLVING THE MONEY PROBLEM

For high school educators in television production/broadcast journalism. Phil Harris, technical committee chair of the SkillsUSA Video Production Contest, demonstrates a lesson plan using a marketed custom DVD of “worst practices” to discuss the most common errors made in contest entries and how student producers can avoid making those same mistakes. The techniques will transition from winning contests to winning in the real world with high quality productions. Checklists that can be used to evaluate productions will be provided via e-mail upon request. Time will also be devoted to a method of funding your program while teaching your students real-world production skills. Presenter: Phillip L. Harris, author/consultant/teacher/trainer. **11:30 a.m., Julia Lee B.**

NEW EDITIONS OF THE COMPTIA A+ EXAMS

For educators and students. In fall 2012 CompTIA will release the new editions of the A+ Certification Exams. Please join Cengage Learning PC Repair/A+ author Jean Andrews for a presentation to discuss what's new for the 2012 CompTIA A+ Certification Exams. During this presentation Jean will touch upon any changes to the exam objectives as well as answer any questions that you may have. Presenter: Jean Andrews, PC repair author from Course Technology, Cengage Learning. **11:30 a.m., Big Joe Turner A.** (Also on Tuesday at 11:30 a.m., Bartle Hall 2208.)

YOUNG WORKER FATALITY CASE STUDIES: FOCUS ON PREVENTION

For educators and students (all trades). In 2009, 359 workers under the age of 24 died from work-related injuries, including 27 youth under the age of 18. This presentation by a senior analyst on Wage and Hour's (WHD) Child Labor and Special Employment Enforcement Team and an Occupational Safety and Health Administration (OSHA) health scientist will review two case studies of young worker fatalities describing the cases, relevant workplace hazard and WHD's and OSHA's Investigative findings. Discussion will focus on preventive measures and lessons learned to protect young workers in similar tasks and workplace. Handouts will include posters, bookmarks, reference guides, fact sheets, stickers, CDs and pens. Presenters: Ernest Weiss, senior analyst, U.S. Department of Labor and Sheila Arbury, OSHA. **11:30 a.m., Lester Young A.**

INTEGRATING MATH AND TECHNOLOGY USING CHIEF ARCHITECT

For educators and students. Join us for a discussion of CAD technology that revolves around the central theme of interior/exterior home design using an integrated math and technology approach. Cross reference to math and CATE competencies/objectives. Demonstrate using Chief Architect, an easy to use, yet powerful professional

architectural software for high school or postsecondary students. Software trial versions available and curriculum ideas ready to implement when you return to your classroom. Certification opportunity discussed. Used in following curriculum areas: drafting, interior design, agriculture, horticulture, criminal justice and building trades. Presenter: Debra Gray, chief architect national academic sales manager. **11:30 a.m., Jay McShann B.**

COOKING WITHOUT BORDERS

For educators and students in the culinary, hospitality and food service fields. To realize the global community in which we live, “Cooking Without Borders” hopes to expand the focus of students through a cultural exchange involving travel, host arrangements and public involvement. Cooking Without Borders’ mission is to get students involved, engaged and energized about discovering food from around the world. The objective of the organization is to encourage students to explore food from different areas and demonstrate an appreciation for the cultural impact of the food of indigenous people by interacting with host residents. Students will develop a cultural lexicon of the destination region as well as with visiting delegates. Students will analyze the food of their home region in terms of authenticity based on their visit to the destination location. Presenter: Jim Berman CCI - chef instructor. **11:30 a.m., Mary Lou Williams A/B.**

CONTINUING THE JOURNEY WITH THE SKILLSUSA ALUMNI

For educators and students (all trades). Program graduates can be effective advocates for a program, school and state. Alumni may serve as advisory committee members, employability skills mentors, contest planners/judges, guest speakers or helpers with special events. Learn about strategies for involvement, ways to engage and communicate with alumni, and the benefits of alumni involvement. Presenters: Niki Clausen, SkillsUSA staff, and members of the SkillsUSA Alumni Coordinating Committee. **1 p.m., Julia Lee A.**

A SOLID CURRICULUM FOR SUCCESSFUL TV BROADCASTING AND PRODUCTION

For high school educators in television production/broadcast journalism. Author Phillip L. Harris will take attendees on a tour of the new textbook published (March, 2011) by Goodheart-Willcox Co., Inc (www.g-w.com). The many features and extras found in the Instructor’s Guide CD-ROM will be discussed along with lots of classroom/lab management tips. Presenter: Phillip L. Harris, author/consultant/teacher/trainer. **1 p.m., Julia Lee B.**

MOTIVATED, RESPONSIBLE, RESPECTFUL AND GOAL ORIENTED! THOSE ARE MY STUDENTS!

For educators. Explore this new powerful teaching tool, the Champions at Work Quote Series. When students examine the meaning of the quotes, as they relate to each of SkillsUSA’s seven key words – connected, motivated, respected, educated, involved and skilled – they are reminded about what will define them as leaders and lead them to academic and career success. Learn how to use this poster and quote series on a daily, weekly or monthly basis to engage students in being more responsible, accountable, open to others thoughts and ideas, willing to take a leadership role or work on a team. Presenter: Debra Dodson, CTE instructor and counselor in Paradise, California. **2:30 p.m., Julia Lee B.** (Also on Tuesday June 26 at 10 a.m., Bartle Hall 2505B).

LEADERSHIP: MORE THAN JUST A WORD

For students (all trades). We hear the word “leadership” often—but, what does it really mean? Or better yet, what does it mean to be a leader? Discover the true meaning of leadership and how it can be applied in our everyday lives! This fast paced, high energy workshop supports the content of the new SkillsUSA chapter leader conference “Activate.” Come check it out to see what all the excitement is about! Presenter: CJ Wetzler, “Activate” facilitator, former SkillsUSA national officer and motivational speaker and trainer. **1 p.m., Lester Young B.** (Also on Wednesday June 27 at 10 a.m., Bartle Hall 2203).

BAKER’S CANDIES: TEACHING ENTREPRENEURSHIP THROUGH CHAPTER FUNDRAISING

For educators and students (all trades). Baker’s Candies is an American manufacturer of chocolate melt-aways run by former SkillsUSA competitors. This session will outline the custom fundraising program created by Baker’s Candies to aid SkillsUSA chapters in raising funds. The presentation will also give tips about fundraising, entrepreneurship, money management, and marketing. And, of course, there will be chocolate! Presenter: Todd Baker, general manager, Baker’s Candies. **1 p.m., Mary Lou Williams A/B.**

TRANSFORM YOUR ARCHITECTURAL DESIGN PROGRAM WITH ENVISIONEER

For educators. Using Envisioneer will allow you to have more time to teach the changing field of architectural design and building information modeling (BIM). See why Envisioneer’s easy interface, very powerful design tools, building wizards, and exciting presentation/animation tools make it the software of choice for teachers and students in architectural CAD, construction trades, interior design, and landscaping design from middle school through postsecondary education. Educators can focus on teaching concepts while empowering students to effectively model and apply sound design techniques to projects. Envisioneer features unbeatable academic pricing with NO annual fees and NO forced upgrades. Faculty attendees receive a FREE set of Envisioneer!

Presenters: Jeff Hapgood, vice president of sales and marketing, TEC Inc. and Brad Finck, vice president, Cadsoft Corp. **1 p.m., Jay McShann B.**

THE FUNDAMENTALS OF HOW TO DESIGN AN E-PORTFOLIO

For educators and students (all trades). Learn how to create and use an e-portfolio to gain a competitive advantage in seeking and holding employment in today's globally competitive workforce. In this session, you will discover how the e-portfolio is used to validate projects, community service, teamwork, written reports, employment experience, and even your résumé. A packet of materials will be provided to each participant with e-portfolio samples, tools, and methods to create an online e-portfolio and upload and maintain files and other documentation. Emphasis in this session is given to the process of developing the e-portfolio via hosting, documentation, WS-FTP, Web templates, uploading, and Web page design. Presenter: Ken Scott, EdD, sr. instructor - CIS; director - SkillsUSA/Cisco Networking Academy/AITP student chapter. **1 p.m., Lester Young A.**

THE RIGHT WAY TO USE CONSTRUCTION ADHESIVE

For educators and students in construction areas. Your work reflects on your reputation as a builder. Using the right adhesive will get the job done right the first time, save you time and money – and make you look like a hero. LIQUID NAILS Brand representatives will teach you everything you need to know about the adhesive: where to use constructions adhesive, the Specific LIQUID NAILS adhesive to use for various projects, info on the chemical technology that makes up LIQUID NAILS adhesives, proper adhesive joint design, plus info on green building, regulations and more! Presenters: Mark Stypczynski, manager, technical services and Mie Goldstein, brand director. **1 p.m., Big Joe Turner B.**

HUMANOID ROBOTICS CHALLENGE

For educators and students in STEM area. Come discover the innovation and real world application of humanoid robotics discovered through a problem solving process of high school engineering students. The presentation will show how students programmed a humanoid robot to navigate through an obstacle course designed after extensive research and interviews with the local Fire Department. The students will also demonstrate the application of advanced robotic programming using sensors to complete many tasks. The students suggest that this would be a good idea for a new SkillsUSA contest. Presenters: Richard Grimsley, vice president of development, DEPCO, LLC, and Dr. Jeanea Lambeth, engineering instructor, Camelback High School, Phoenix, AZ and her students: Maria Fuentes, Jonatan Olmos Lopez, Ramon Quiroz & Maria Lopez, **1 p.m., Bennie Moten A/B.**

NOT YOUR TYPICAL CONSTRUCTION SITE: BRIDGING THE GAP

For educators and students (all trades). Hear from an Army engineer, electrician and carpenter about their experiences and the variety of hands-on and technical careers available in the U.S. Army constructing schools, houses, churches, and military bases all over the world. Do you want to get world-class training to put you ahead of the rest? Learn how the U.S. Army gets from point A to point B from U.S. Army bridge crewmembers who provide bridge and rafting support when their team tackles rough terrain in combat situations. One workshop attendee will win an iPod! Presenter: U.S. Army. **1 p.m., Jay McShann A.**

SKILLSUSA WORKFORCE READY SYSTEM

For educators and others. Learn about the Skill Connect Assessments. Available in 44 unique areas, Skill Connect Assessments offer a reliable evaluation of technical knowledge and skill. Industry, education professionals and policy leaders support these career and technical education assessments. Learn about curriculum integration and standards compatibility on both the local and state level. Attendees will engage in instructor resources such as assessment demonstrations, previews, website navigation and reporting features that make using the system and reporting data simple. Presenter: Lana Ford. **2:30 p.m., Jay McShann B.** (Also on Tuesday June 26 at 11:30 a.m., Bartle Hall 2102A).

EXPLORE NEW SKILLSUSA LEADERSHIP TOOLS FOR THE CLASSROOM

For educators. Jazz up chapter meetings, engage students at a higher level in your classroom, and create excitement with students to communicate effectively with others and other practical leadership tools will be showcased at this session. Learn about the easy-to-use, turn-key resources for your chapter that are being launched in the SkillsUSA Educational Resource Catalog this fall. Participants will explore these new materials in depth and learn the best methods for implementing the resources in their classrooms and chapter activities. Come join in the fun! Presenter: Dr. Brad Dodson, teacher educator, Chico State University. **2:30 p.m., Lester Young B.** (Also on Tuesday June 26 at 11:30 a.m., Bartle Hall 2504B).

START HERE, GO FURTHER WITH FEDERAL STUDENT AID

For educators and students (all trades). The presentation will be an overview session that explains the federal programs, the FREE application (FAFSA), and free resources available for the audience. Time will be available for

questions and answers. Presenter: Katherine Coates, management & program analyst, federal student aid. **2:30 p.m., Lester Young A.**

PLASMA CUTTING TORCHES: A LOOK INSIDE

For educators and students in metal fabrication, welding. It cuts any conductive metal. It doesn't mind rust, paint, or oil. It's the most versatile thermal cutting technology available, but do you really know how a plasma cutter works? In this interactive session, you will learn about the inner workings of a plasma torch, including the function of consumable parts and the science behind arc formation. We will provide real-world analogies to help students and teachers understand plasma. This course an adaptation of a lesson from *Plasma Cutting Technology*, Hypertherm's comprehensive curriculum for hand cutting and gouging. Presenter: Jesse Stone, customer training specialist, Hypertherm, Inc. **2:30 p.m., Big Joe Turner B.**

STEALTH: LIFE AS AN ARMY UNMANNED VEHICLE OPERATOR

For educators and students (all trades). A must-attend for anyone with an interest in remote or radio control vehicles. Hear first-hand from an Army unmanned aerial vehicle operator about their integral role as intelligence specialists and remote pilots of unmanned observation aircraft and how they gather and study information that helps design operational plans and tactics at home and abroad. You will also learn about other high-tech careers available in the U.S. Army and the world-class training and money available for your education. One workshop attendee will win an iPod! Presenter: U.S. Army. **2:30 p.m., Jay McShann A.**

■ Tuesday Sessions **June 26,** **Bartle Hall**

WHAT MAKES A GREAT SKILLSUSA ADVISOR?

For educators (all trades). Learn from our SkillsUSA Advisor of the Year finalists how they stay motivated and excited. Discover their secrets for keeping students engaged in their programs and in SkillsUSA chapter activities. These top advisors will explain how they run their chapters effectively as they develop leaders and rich learning experiences for their students. Presenters: SkillsUSA Advisor of the Year finalists with a national officer as moderator. **10 a.m., Bartle Hall 2209.**

MOTIVATED, RESPONSIBLE, RESPECTFUL AND GOAL ORIENTED! THOSE ARE MY STUDENTS!

For educators. Explore this new powerful teaching tool, the Champions at Work Quote Series. When students examine the meaning of the quotes, as they relate to each of SkillsUSA's seven key words – connected, motivated, respected, educated, involved and skilled – they are reminded about what will define them as leaders and lead them to academic and career success. Learn how to use this poster and quote series on a daily, weekly or monthly basis to engage students in being more responsible, accountable, open to others thoughts and ideas, willing to take a leadership role or work on a team. Presenter: Debra Dodson, CTE instructor and counselor in Paradise, California. **10 a.m., Bartle Hall 2505B.**

ACCELERATE, EFFECTIVE TEACHING STRATEGIES TO ENHANCE STUDENT LEARNING

For educators. Students exhausted by lecture and just want to get to the lab or shop? Wish your students were as on task in the classroom as they are in the lab? Come explore the new classroom tool from SkillsUSA. Come hear teacher tested, student approved strategies to engage students when delivering new content, digging deeper or reviewing content. Accelerate is available this fall in the SkillsUSA educational resource catalog. Participants will explore this new resource in-depth and receive a free copy of the book. Come join in the fun! Presenter: Dr. Brad Dodson, teacher educator, Chico State University. **10 a.m., Bartle Hall 2504B.**

21ST CENTURY BRAKE ROTOR SERVICE

For educators and students in automotive careers. Presentation is to give the instructors the latest industry and OE information regarding the changes on how brake rotors should be resurfaced to match to vehicles. We provide a workbook, latest OE technical service bulletins and a live demonstration of our hub mount on-car lathe. Presenter: Douglas King, sales representative, Pro-Cut International. **10 a.m., Bartle Hall 2504A.**

SKILLSUSA 2012 5K CHAMPIONS RUN PRE-RACE EVENT

For educators and students (all trades). Ensure you and your group are ready for this year's 5K run. Preview a course

map, learn where to park and what to bring, and get answers prior to race day (9 a.m. Wednesday at English Landing Park, near the Park University campus in Parkville, Mo.). Learn key preparation tips such as proper hydration, clothing suggestions, how to cool off effectively and more. Presenters: Niki Clausen, SkillsUSA staff, guests from the official race sponsor, Run Kansas City and SkillsUSA alumni. **10 a.m., Bartle Hall 2102A.**

MAKING CONSTRUCTION MATH EASY WITH THE CONSTRUCTION MASTER PRO CALCULATOR IN OUR CLASSROOM

For educators. Cutting roof rafters, stairways, and figuring multiple angles are just a few things that every construction professional should know how to do. Learning how to do it is sometimes another story, and explaining it to your students sometimes seems impossible. The Construction Master Pro Calculator takes all the guess work out of such tasks. The program, published in conjunction with Thompson Delmar Learning, provides an electronic download with presentations, Flash tutorial, complete user's guide, tests, final examination and emulator for computer demonstrations. Attendees will receive a copy of the workbook and three will be raffles for free calculators. Bring any of your construction calculation problems to the class, and learn how easy it is to turn the complicated problems into the easy solutions using the Construction Master Pro. Can't think of any problems? Don't worry. There will be plenty of examples to learn from. Presenter: Loran Stara of Southeast Community College, Milford, Nebraska who has used the Construction Master Pro in his classroom for over 10 years. **10 a.m. and 1 p.m., Bartle Hall 2203.**

USING THE AMAZING CALCULATED INDUSTRIES MACHINIST CALC PRO CALCULATOR IN YOUR CLASSROOM

For educators and students in precision machining and CAD/CAM/CNC. This class will highlight the functionality of the Calculated Industries Machinist Calc Pro Calculator. The audience will learn how to effortlessly solve a series of problems that a machinist would typically encounter on the job, such as speeds and feeds, inch and metric conversion, drill and thread calculations, bolt patterns and right triangle trig, and how to implement this technology into the classroom. This calculator will be available for your student's use at every station in the CNC Milling, CNC Turning and Precision Machining contests. There will be a drawing for a free calculator in each presentation. Presenter: Doug Bowman, Vincennes University, Haas Technical Education Center (HTEC) director. **10 a.m., and 1 p.m. Bartle Hall 2206.**

PIPE TRADES MATH MADE EASY

For educators in pipe and plumbing trades. This class is for all pipe trade and plumbing educators. Have you ever thought how good it *would be to be able to figure pipe slope with a fractional number, or confirm the offset, run or travel* of a piping offset or convert cubic feet to cubic inches, gallons or pounds? This class will demonstrate all of these pipe fitting and plumbing calculations and more with the Calculated Industries Pipe Trades Pro 4095 Advanced Pipe Trades Math Calculator. Learn how to convert standard dimensions to feet, feet and inches or inches with the push of a two keys. See how easy it is to determine the offset, run and travel of any piping offset. Watch how volume is calculated and converted to gallons, cubic feet, cubic inches or pounds. Find out how easy it is to determine the area, empty and filled weights and wall thicknesses of a wide variety of pipe materials and sizes with a few keystrokes. Come and be introduced to the Pipe trades Pro 4095 Advanced Pipe Trades Math Calculator and see how well the 4095 will fit into your classroom activities. Presenter: John Williams, assistant professor, plumbing technology program, Kirkwood Community College. **10 a.m., and 1 p.m. Bartle Hall 2208.**

STUDENT2STUDENT MENTORING BEST PRACTICES

For educators and students (all trades). Get involved in Student2Student, the mentoring effort of SkillsUSA. Mentoring reinforces students' technical skills and self-esteem as they help elementary or middle-school students learn about career options. It's a great way to showcase your program and can help with recruitment. SkillsUSA partners with America's Promise Alliance in this effort. Learn about best practices and receive a mentoring guide. Presenters: advisor Calvin Gray and student Edna Resendiz from Cross Keys High School in Georgia. **11:30 a.m., Bartle Hall 2209.**

EXPLORE NEW SKILLSUSA LEADERSHIP TOOLS FOR THE CLASSROOM

For educators. Jazz up chapter meetings, engage students at a higher level in your classroom, create excitement with students to communicate effectively with others and other practical leadership tools will be showcased at this session. Learn about the easy-to-use, turn-key resources for your chapter that are being launched in the SkillsUSA Educational Resource Catalog this fall. Participants will explore these new materials in depth and learn the best methods for implementing the resources in their classrooms and chapter activities. Come join in the fun! Presenter: Dr. Brad Dodson, teacher educator, Chico State University. **11:30 a.m., Bartle Hall 2504B.**

SKILLSUSA WORKFORCE READY SYSTEM

For educators and others. Learn about the Skill Connect Assessments. Available in 44 unique areas, Skill Connect Assessments offer a reliable evaluation of technical knowledge and skill. Industry, education professionals and policy leaders support these career and technical education assessments. Learn about curriculum integration and standards compatibility on both the local and state level. Attendees will engage in instructor resources such as

assessment demonstrations, previews, website navigation and reporting features that make using the system and reporting data simple. Presenter: Lana Ford **11:30 a.m., Bartle Hall 2102A.**

NEW EDITIONS OF THE COMPTIA A+ EXAMS

For educators and students. In the fall of 2012, CompTIA will release the new editions of the A+ Certification Exams. Please join Cengage Learning PC Repair/A+ author Jean Andrews for a presentation to discuss what's new for the 2012 CompTIA A+ Certification Exams. During this presentation, Jean will touch upon any changes to the exam objectives as well as answer any questions that you may have. Presenter: Jean Andrews, PC repair author from Course Technology, Cengage Learning. **11:30 a.m., Bartle Hall 2208.**

TEACHING STEM WITH DIGITAL FABRICATION: PROJECTS AND RESOURCES

For educators. This session will highlight resources available to teachers for putting together curriculum that uses digital fabrication tools to present STEM content and concepts. We will examine projects and information that are currently available for use, techniques for developing your own projects as well as sharing and collaboration. Presenter: Grant Bailey, manufacturing consultant. **11:30 a.m., Bartle Hall 2203.**

PASSIONATE ABOUT COOKING? SEE WHAT IT TAKES TO FEED AN ARMY

For educators and students (all trades). Forget MRE's! Learn how members of the U.S. Army Culinary Arts Team sharpen their skills (and win gold medals) at competitions across the globe and how they put that knowledge to use feeding our Army strong soldiers. Get tips, see hands-on cooking demonstrations and learn about Army culinary careers from members of a world-class team. One workshop attendee will win an iPod! Presenter: U.S. Army. **11:30 a.m., and 2:30 p.m., Bartle Hall 2206.**

CHARITABLE CHARIOTS: A SERVICE LEARNING PROJECT FOR AUTOMOTIVE PROGRAMS

For educators and students. At Northwest Iowa Community College, students evaluate donated vehicles and make repairs, local charity organizations identify recipients, and the students hand over the keys to a needy family. Materials will be provided to help start such a project with your own SkillsUSA chapter. Presenters: SkillsUSA advisors Steven Youngs, collision repair/refinishing instructor and Dennis Wallace, diesel technology instructor. **12 p.m., Bartle Hall 2504A.**

COLLISION REPAIR EDUCATION FOUNDATION AND YOUR COLLISION REPAIR TRAINING PROGRAM

For educators and students in collision repair. Learn what grant and scholarship opportunities are available through the Collision Repair Education Foundation to benefit a school's collision repair program, its instructors and its students. There will also be an opportunity for attendees to voice their opinion about what grants and scholarships are needed in their school and the foundation will answer questions about how they can help make up for budget shortfalls. Details about the Collision Repair Education Foundation's Ultimate Collision Education Makeover \$50,000 grant will be discussed as well. Presenter: Melissa Marscin, Assistant director of grant programs. **1 p.m., Bartle Hall 2504A.**

STUDENT OSHA CREDENTIALS FOR FREE!

For educators (all trades). Want to help your students get an OSHA credential? Do it for free with a Lowe's CareerSafe Grant. Find out how to apply for these grants and then what to do if you get one! Vouchers for the CareerSafe Program are available to all of your student SkillsUSA members. The whole process is easy, if you know what to do. Presenter: Lee Ross, CareerSafe grant manager, SkillsUSA. **1 p.m., Bartle Hall 2504B.**

VIDEO GAMING MEET MECHANICAL TRADES: SIMULATION AS TRAINING AND TESTING TOOL

For educators and students. Come learn about the science and pedagogy behind "game-based" learning or performance simulation learning. Game-based learning, which is well established in the military, aviation, health care fields, has now come to the mechanical trades industries. Come see how Energy Auditors and HVAC technicians use "video-gaming" to learn their skill set. Also, see how certification organizations are now using simulation as an effective and scalable testing platform. Presenter: Doug Donovan, Interplay Energy. **1 p.m., Bartle Hall 2102A.**

BATTLE BOTS TO ALL-TERRAIN ROBOTICS USING THE GEARS PLATFORM

For educators. Robotics covers a wide range of interests and activities and incorporates fields like electronics, mechanics, computer hardware, software, pneumatics and artificial intelligence. GEARS Educational Systems is a pioneer in robotics education and provides rugged robotics kits for high school and postsecondary education. Discover a platform that will help you build a variety of robots from battle bots to all-terrain robots. Come experience the fun and excitement of robotics and robotics competitions. Presenters: Richard Grimsley, vice president of development, DEPCO, LLC, and Nicholas Wells, director of marketing and curriculum development, DEPCO, LLC. **1 p.m., Bartle Hall 2505B.**

LOWE'S GRANT OPPORTUNITIES!

For educators, parents and students! Learn about the community improvement grant opportunities provided by Lowe's through SkillsUSA. Grant manager, Carol Lowery will explain the process for applying for a Lowe's grant and provide examples of successful grant applications. She will also review the scoring rubric and highlight areas on the application where typically the most points are lost. Instructors who have received Lowe's grants will be on hand for a panel discussion on how receiving a grant has impacted their educational program, engaged their students, and benefited both the school and the local community. Presenter: Carol Lowery, Lowe's grant manager.
2:30 p.m., Bartle Hall 2203.

■ Wednesday Sessions

June 27, Bartle Hall

AUTOMOTIVE SERVICE TECHNOLOGY

For automotive educators and students. A presentation by Honda will cover Honda New Technology. Mercedes Benz will address Vehicle Safety Systems. Presenters: Scott Norman, Automotive Service Technology contest technical committee members and guests. **8:30 a.m.–12 p.m., Bartle Hall 2101.**

SKILLSUSA — “CHAPTER ONE”

For students (all trades). The success of SkillsUSA starts at the chapter level. How do we create successful chapters? Join us as we explore ways to make our local chapters even more exciting, impactful and valuable to our members. This fast paced, high energy workshop supports the content of the new SkillsUSA chapter leader conference “Activate.” Come check it out to see what all the excitement is about! Presenter: Ashley Hopkins “Activate” facilitator and former SkillsUSA national officer. **9 a.m., Bartle Hall 2205.**

LEADERSHIP: MORE THAN JUST A WORD

For students (all trades). We hear the word “leadership” often—what does it really mean? Or better yet, what does it mean to be a leader? Discover the true meaning of leadership and how it can be applied in our everyday lives! This fast paced, high energy workshop supports the content of the new SkillsUSA chapter leader conference “Activate.” Come check it out to see what all the excitement is about! Presenter: CJ Wetzler, “Activate” facilitator, former SkillsUSA national officer and motivational speaker and trainer. **10 a.m., Bartle Hall 2203.**

CONDUCTING A SKILLSUSA BASIC SURVEYING CONTEST IN YOUR STATE

For educators and students. The Texas Society of Professional Surveyors (TSPS) and the winning team from SkillsUSA Texas Basic Surveying Contest will present the basics of the contest. The value of including the concepts covered by this contest in curriculum will be presented in two morning sessions of 45 minutes each. During the afternoon, teams of SkillsUSA students will demonstrate the field exercise outdoors in a mock contest. Attendees will take away guidelines for establishing the basic surveying contest in other states; the goal being to gain approval to conduct the contest at SkillsUSA National Competition in 2013. Presenter: William M. (Bill) Coleman, RPLS, GISP chair, SkillsUSA subcommittee of the Texas Society of Professional Surveyors. **10 a.m. – 1 p.m., Bartle Hall 2207.**

CAST IRON SOIL PIPE APPLICATIONS AND JOINING METHODS

For educators and students. See the applications for using cast iron soil pipe fittings. Also covered: hanging requirements, fire-rated construction, underground installation, cutting and joining methods, and specifications for production and sizes. Participants may perform joining methods. Presenters: Michael Steel, technical services director and James Walls, regional representative, Cast Iron Soil Pipe Institute. **10:30 a.m.-12 p.m., Bartle Hall 2103C.**

INDUSTRIAL MOTOR CONTROL: EVOLUTION OF ELECTRICAL COMPONENTS

For educators and students. Introduce students to newer electronic devices such as easy relay electronic trip units. See how motor control devices and over current protective devices can be linked by various communication methodologies into complex automatic systems. Learn about opportunities for electricians, technicians, estimators, contractors, sales engineers, applications engineers or product designers. Presenter: Bob Baird, vice president of training and development, Independent Electrical Contractors. **10 a.m.-12 p.m., Bartle Hall 2104B.**