



**ACTE
AZ**

REVIEW

2010 Holiday Edition



A Message From the Executive Director

We, as families and friends, just had the opportunity to celebrate all the blessings and gifts we receive during the Thanksgiving Holiday. In our ACTEAZ Family we are continuously blessed with the talented and caring educators that we have in Career Technical Education across our state. These educators continuously raise the bar for all of us to be better in everything that we do for our students.

Many of our Arizona CTE Educators went to the National ACTE Conference December 1st - 4th to participate in the great educational sessions that help to motivate, renew and provide new powerful lessons to for all of us to be better in our chosen CTE Careers. I am proud to report that the following Arizona CTE Professionals have been Building Roads to Success for many conference attendees because of the their outstanding presentations.

The following are ACTEAZ Members that presented at the ACTE National Conference.

Thursday, December 2

2:00-3:00 p.m. “Tech Prep: Sharing What Works”
Lois Lamer and Dodie Bemis, Las Vegas Convention Center N232

2:00 – 3:00 p.m. “Marketing Morsels: Tasty Tactics to Promote Your CTE Program”
Chris Cook and Adriana Alvarado, Las Vegas Convention Center N219

3:15-4:15 p.m. “Business and Senior English Academic Integration: Senior Project, Internship, Blogging and E-Portfolios”
Jan Delgado and Dawn Davis, Las Vegas Convention Center N259

4:30-5:30 p.m. “Integrating Math and Reading into the Financial Literacy Classroom”
Nicole Wanago and Jennifer Warner, Las Vegas Convention Center N254

Friday, December 3

10:00-10:50 a.m. “Hands-on Energy Trainers for Solar, Solar Thermal, Wind and Weatherization”
Bryan Grogan and Kevin English, Las Vegas Convention Center, Exhibit Hall.

10:45-11:45 a.m. “Programs of Study: Early Lessons from Three Field-based Studies”
Dr. Jim Stone III, Las Vegas Convention Center, N258

10:45-11:45 a.m. “Education and Industry Partnerships: Putting Resources Where It Counts”
Sally Downey, Rick Lester, Don Pratt, Roger Tadajewski, Las Vegas Convention Center N223

10:45-11:45 a.m. “Integration Core Curriculum into Career and Technical Programs”
Carol Farabee, Las Vegas Convention Center N235

A Message From the Executive Director Cont.

12:00-12:50 p.m. “Dynamic Curriculum Solutions for your FACS, Food Science, or Culinary Class”
Nai Wang, Las Vegas Convention Center, Exhibit Hall

12:00-1:00 p.m. “Bridging Core Content Areas to CTE Programs”
Jill Ranucci, Las Vegas Convention Center N242

12:00 -1:00 p.m. “Teaching the Art of Troubleshooting”
Rick Peters, Las Vegas Convention Center, N236

12:00-1:00 p.m. “National Curriculum Certification, CTSO Participation and Corporate Grant Opportunities
Connected to All”
Scott Thomas, Las Vegas Convention Center N222

1:00-1:50 p.m. “Multicolor 3-D Printing in a Classroom Environment”
Dave Zamoroa, Terry Mason. Las Vegas Convention Center Exhibit Hall

1:15-2:15 p.m. “Adobe Flash: Introduction to ActionScript 3”
Stephen Hustedde, Las Vegas Convention Center N247

2:00-2:50 p.m. “Energy Trainers for Solar, Solar Thermat, Wind and Weatherization”
Kevin English, Bryan Grogan, Las Vegas Convention Center Exhibit Hall

2:30-3:30 p.m. “NCLA Meeting” Many Members are also NCLA Members
Officers and Representatives: Marilyn Jenkins, Lois Lamer, Kathy Prather

2:30-3:30 p.m. “Stop-motion Animation Used as a Critical Thinking Tool”
Ada Tessler, Las Vegas Convention Center N245

2:30-3:30 p.m. “Financial Education: Where Rigor and Relevance Meet Active Student Engagement”
Nicole Wanago, Jennifer Warner, Las Vegas Convention, N227

Saturday, December 4th

8:00-9:00 a.m. “Academic Integration in Action”
Maryellen Coburn, Linda Dooling, Rebecca McInnis, Buck, Nelson, Las Vegas Convention Center N251

8:00-9:00 a.m. “Adobe Flash: Animation Techniques”
Stephen Hustedde, Las Vegas Convention Center N224

A Message From the Executive Director Cont.

9:15-10:15 a.m. “Connect to Build, Build to Connect: Teambuilding and Leadership in the CTE Classroom and CTSO’s Activities”

Marc Acuna, Rebecca Hurst, Las Vegas Convention Center, N240

The genius of American Youth depends on CTE Educators such as those above and we applaud your contributions and commitment.

On a personal note, the ACTEAZ Board would like to wish you all the best over the holiday season. Though perhaps just a brief respite before the school season continues the holiday season has always been a time of rejuvenation for me. I hope the joys of spending time with your family, friends and loved ones brings you the same sense of peace, relaxation and newfound energy as the new year approaches. Again, we wish you all a happy holiday season and look forward to working with you in the new year!

Pam Ferguson
ACTEAZ Executive Director



Sustainable Green Hogan Project

In November 2009, Page High School was awarded a grant that would enable the Construction Technology classes to build a Green, Sustainable structure.

The project started with the Architectural Drafting students designing and drafting plans for the Green Hogan. Page High School has about 70% Navajo Native American student population so it was fitting to design and build a “Green Hogan”. A Hogan is a traditional Navajo meeting room, octagon shaped by which the project was patterned after it.

Building permits were secured in late June of 2010 and in early July, 5 weeks before school was to start, ground was broken. Construction Technology instructor Jim Vander Wiel along with five paid student interns ripped out sidewalks, excavated, met required soil compaction, installed underground sewer line, underground electrical, underground water and underground fiber optics, formed and poured the footing and repoured sidewalks before school started.

When school started, Construction Technology students took over the project forming and pouring the slab, framing post and beam, stacking straw bales and installing roof trusses.

The structure itself is a post and beam design made of 24 “thick straw bale walls having tremendous insulation value. Heating is supplied by a solar heating system. Electricity is supplied by a solar photovoltaic system of 2.7 kilowatts. The roofing material is made from recycled tires and the restroom will have a grey water recycling system that will use disposed sink water to flush the toilet. A roof water runoff water catchment system will be built to supply irrigation water. The structure is faced south for passive solar gain and will have natural lighting via windows and sun light tubes. The room will have six computer workstations and a networked projection system.

The Construction Technology classes are experiencing a wide variety of green building practices which will be incorporated in future curriculum and a Sustainable Home Design class was introduced to the students this fall which focuses on passive solar design, solar heat systems, solar electricity and wind generated electricity.

This project can be followed on Facebook/ Green Hogan and at Page Unified School District’s website www.pageusd.org. Questions can be directed to Jim Vander Wiel , jvanderwiel@pageud.k12.az.us

Article Submitted by James Vander Wiel



Toyota International Teacher Program

Greetings from the Institute of International Education.

We are very pleased to announce the inaugural Toyota International Teacher Program to South Africa! The program will take place July 24 – August 10, 2011. Full-time classroom teachers of all subjects and librarians, grades 7 – 12, are now invited to apply online.

The Toyota International Teacher Program is a fully-funded international professional development program for U.S. educators. Funded by Toyota Motor Sales, U.S.A., Inc., and administered by the Institute of International Education, the program advances environmental stewardship and global connectedness in U.S. schools and communities.

The deadline to apply is January 23, 2011. The inaugural Toyota International Teacher Program to South Africa will provide teachers first-hand exposure to the social and environmental complexity of South Africa, focusing on sustainable development and emphasizing the links between history, culture, power, and the environment. Teachers will explore the country's natural and cultural diversity through a range of site visits and hands-on activities.

Please help us reach out to educators by sharing this information with your members and constituents. If you post programs and professional development opportunities on your website, listserv, or newsletter, we would greatly appreciate you posting information on the program as well. The Toyota International Teacher Program greatly values diversity and encourages educators of all backgrounds, subjects, and school types to apply for this unique professional development opportunity.

Thank you for considering this request to help us spread the word about this unique opportunity. Teachers can visit our website at www.iie.org/toyota for application instructions, FAQs, and to apply online.

In the words of a program alumnus:

“International opportunities such as these completely expand our worldviews and shift our priorities. My approach to teaching has changed - I have become more passionate about making my students global citizens with knowledge of and sensitivity to international issues.”

If you have any questions or would like more information, please do not hesitate to contact me by email at toyotateach@iie.org or by phone at (toll-free) 877-832-2457.

Best regards,

Toyota International Teacher Program Team
Institute of International Education

FBLA - Pursue the Passion Conference

The Future Business Leaders of America (FBLA) – Arizona Chapter - and the Pursue the Passion Program (an arm of the Jobing.com Foundation) hosted the 3rd Annual Pursue the Passion Conference on Friday, December 3rd. With nearly 600 FBLA members, advisers, and guests in attendance, this conference celebrated FBLA member's participation in the Pursue the Passion Challenge. During the challenge, members were encouraged to seek out business and community leaders in their community and interview them regarding the path they took to get where they are today, what aspects of their career they are passionate about, and what advice they would give to young people today to help them achieve their dreams. This conference marked the 1,000th interview conducted since the Pursue the Passion Challenge was launched!

The conference was held at the U.S. Airways Center and included speakers such as Ryan Underwood (CEO – TRI Leadership Resources), Justin Boudreau (Professional Speaker), Honorable Pat Norris (Arizona Appeals Court Judge), Craig Jacob (President – DeVry University Phoenix), Jay Parry (VP of Branding and Development – Phoenix Suns), Shirley Righi (Clinical Director Nursing Special Projects – Scottsdale Healthcare System), Cynthia Gattorna (Executive Director – A Stepping Stone Foundation) Brett Farmiloe, and Zach Hubbell (Pursue the Passion co-founders). FBLA members were treated with workshops on professionalism, career development, and inspiration. The conference concluded with the presentation of Pursue the Passion Awards, given to members whose interview stood out from the rest. Later that night, nearly 600 FBLA members and supporters watched the Phoenix Suns in action against the Indiana Pacers! Members were treated to autographs, courtside warm-up previews and pictures with the Suns Dancers.

FBLA is a dynamic organization of young people who are actively interested in pursuing careers in business. With over 225,000 members nation-wide, FBLA is the premier student business organization in the entire world. Along with scholarship, community service and civic service opportunities, FBLA provides recognition and leadership activities directly related to attainment of specific occupational and leadership skills. There are nearly 5,000 FBLA members in over 100 schools in Arizona.

The goal of Pursue the Passion is to get people to think differently about career paths. We want current and future workforces to not only realize that they can be passionate about a career, but we want to provide them with the tools to do so. Through our website, speaking program, and initiatives in the classroom, we are playing a meaningful role in reversing the long-term negative trends in employment statistics.

Article submitted by Ryan Hamilton



Over 500 FFA Students at Mid-Winter Conference

Over 500 FFA members gathered on the Arizona Polytechnic Campus for the Arizona FFA annual Mid Winter Conference to participate in developing their future through participating in Career Development Events (CDEs). Throughout the high school careers of many students will ask their teachers, “When will I ever use this in the real world?” Students enrolled in Agricultural Education have discovered that CDEs are the answer. Since 1928, FFA has worked to create CDEs that demonstrate the meaningful connections between classroom instruction and real-life scenarios CDEs build on what is learned in agricultural classes and the FFA.

At the Mid Winter Conference this year, students vied for the State Championship title against schools across the state in the areas of Floriculture, Veterinary Technology, Agricultural Sales, Marketing Plan and Food Science. As this is the first state-level event of the school year, several competitive events were also held to encourage younger students to begin their involvement in the organization. Beginning or “Novice” events were conducted for 7th, 8th and 9th grade students in the areas of Parliamentary Procedure, Prepared and Extemporaneous Speaking as well as a Quiz Bowl.

CDEs are an outgrowth of the curriculum taught in each Agricultural Education program and are designed to develop individual responsibilities, foster teamwork and promote communications while recognizing the value of ethical competition and individual achievement. Most events include appropriate team activities where two or more members from one chapter work cooperatively.

By delivering an integrated model of education through classroom learning, real-world work experience and activities designed to promote personal growth, FFA and agricultural education help students discover and plan their own unique route to future success. The events are designed to help prepare students for careers in agriculture. Classroom instruction comes alive as students demonstrate their skills in a competitive setting. CDEs test the abilities of individuals and teams in major areas of agricultural instruction.

Career Development Events give young people the knowledge needed for more than 300 diverse careers in the food, fiber and natural resources industries. Real-world skills members learn through FFA prepare them for a range of futures in such fields as marketing, law, science, international business, veterinary medicine and golf course management.

FFA is a national youth organization of 521,432 student members preparing for leadership and careers in the science, business and technology of agriculture with 7,223 local chapters in all 50 states, Puerto Rico and the Virgin Islands. FFA strives to make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. For more information about Arizona FFA, visit azffa.org

Article Submitted by Tyler Grandil



Arizona SkillsUSA Recieves Lowes Grant

MOORESVILLE, N.C. - Lowe's Charitable and Educational Foundation awarded a grant to the Arizona Association of SkillsUSA to support its 2011 state-level construction trades competitive event, TeamWorks. This state event requires a team of four to build a joint project in six hours or less, demonstrating their preparation for employment in residential construction. Team members must analyze a project drawing, write an action plan, give a presentation and demonstrate their ability to work as a team, performing skills in residential carpentry, plumbing, electricity and masonry. They are also judged on cleanliness of the jobsite, timeliness of completing the project and proper inventory of tools and equipment.

The state event will be held on April 19-20, 2011 at the Phoenix Convention Center South Building. Expected to participate are 20 teams of high school and college students competing for gold, silver and bronze medallions and industry awards.

Lowe's Charitable and Educational Foundation is helping to address the country's growing skilled worker shortage and skills gap by contributing \$1.5 million to SkillsUSA programs this year. Lowe's has awarded grants to more than half of SkillsUSA state associations for their 2011 TeamWorks events.

"TeamWorks competitions are unique in providing hands-on experience in construction trades for today's youth said Larry D. Stone, chairman of Lowe's Charitable and Educational Foundation. "Lowe's is proud to support TeamWorks, and we share the same passion in motivating and inspiring future leaders for careers where skilled workers are in demand."

ABOUT SKILLSUSA

SkillsUSA is a national nonprofit organization of students, teachers and industry, working together to ensure America has a skilled work force. SkillsUSA helps high school and college students enrolled in career and technical education programs to excel by teaching employability skills such as communication, problem solving and leadership in conjunction with their trade, technical and service occupations skills. The association's annual membership exceeds 305,000 students and instructors in more than 3,700 schools and colleges in every state, three territories and the District of Columbia. For more information, visit: www.skillsusa.org.

ABOUT LOWE'S

Lowe's is a proud supporter of SkillsUSA/SkillsCanada, Habitat for Humanity International, American Red Cross, and The Nature Conservancy, in addition to numerous non-profit organizations and programs that help communities in North America. In 2009, Lowe's and the Lowe's Charitable and Educational Foundation together contributed more than \$30 million to support community and education projects in the United States, Canada and Mexico. Lowe's also encourages volunteerism through the Lowe's Heroes program, a company-wide employee volunteer initiative. Lowe's is a FORTUNE® 50 company with fiscal year 2009 sales of \$47.2 billion and has more than 1,700 stores in the United States, Canada and Mexico. For more information, visit Lowe.com/community

Article submitted by Carrie O'Grady



ACTEAZ - Call for Presentations

Association for Career Technical Education of AZ and Arizona Department of Education

In partnership with Arizona Tech Prep

Would like to invite you to submit a

CALL FOR PRESENTATION

for the

ACTE 2011 SUMMER CONFERENCE

July 15-20, 2011

at the

Loews Ventana Canyon and Westin La Paloma
Tucson, Arizona

The Association for Career Technical Education of Arizona & Arizona Department of Education in partnership with Arizona Tech Prep invite you to participate in the 36th annual CTE Summer Conference Co-Hosted by Loews Ventana Canyon and the Westin LaPaloma. Please complete the Call for Presentation and return it no later than January 7, 2011. Please go to the ACTEAZ Website at www.acteaz.org. Please click on Conference and Events in Left Side Bar and there you will find the Call for Presentations for the Summer Conference.

If you have any questions, please contact Shelly York at shellyyork@acteaz.org.





Mid-Winter Leadership Conference

ACTE
AZ

February 3rd & 4th, 2011

**Prescott Resort & Conference Center
1500 Highway at 69, Prescott, AZ 86301**



Mark C. Perna - Keynote Speaker

**Founder of Tools for Schools
Cleveland, OH**

***"How to Be Enrollment, Retention and
Achievement Rich with Millennials"***

LTC Alfonso Mandujano Jr.

**United States Army
Recruiting Command
Phoenix Recruiting Battalion
Battalion Commander**



***"Educating
Tomorrow's
Leaders
Together"***

Registration Cost:

**\$260 - Until Jan. 28, 2011
\$285 - After Jan. 28, 2011**

**For more information and
to register online visit:**

www.acteaz.org

Upcoming Events

ACTEAZ/ACOVA Mid-Winter Leadership Conference

February 3 - 4, 2011
Prescott Resort and Conference Center

CTE Month

February, 2011

National Policy Seminar

March 7 - 9, 2011
Crystal Gateway Marriott, Arlington, VA
www.acteonline.org

ACTE 2010 Region V Conference

April 6 - 9, 2011
Rapid City, SD

National Association for Workforce Development

April 27 - 29, 2011
Hotel Valley Ho, Scottsdale, AZ 85251

National Association for Career and Technical Education Information

May 11 - 13, 2011
Philadelphia, PA
www.nactei.org

ACTE 2011 Summer Conference

July 15 - 20, 2011
Loews Ventana Canyon
Westin LaPaloma
Tucson, AZ



2010 - 2011 ACTEAZ Board

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The Association for Career and Technical Education of Arizona (ACTEAZ) is a volunteer professional non-profit association for Career and Technical Education (CTE) teachers and administrators to provide leadership in developing an educated, prepared, adaptable and competitive workforce. Our primary goals are to provide professional development for CTE professionals and to increase public awareness about the value and importance of CTE.

20403 N. Lake Pleasant Road, STE. 117-PMB 615, Peoria Arizona 85382.

Visit us at www.acteaz.org