

Oklahoma Department of Career and Technology Education

Monday Memo 2013-06-17

Quote

"The real voyage of discovery consists not in seeking new landscapes but in having new eyes."
– Marcel Proust

CareerTech grad wins internationally – do I hear STEM success?

Nicole Biddinger, Tri County Tech Biomedical Sciences student, in May won first place at the International Science and Engineering Fair held in Phoenix. Nicole earned the first place award of \$3,000 in the Animal Sciences Division for her project, "Daphnia Development: A Comparative Temperature and Phosphorus Tolerance Experiment Using Resurrection Ecology of Daphnia Pulex." Her project also had won her awards at two other prestigious competitions in the days leading up to the international fair. She earned one in the category of Life Sciences at the National Junior Science and Humanities Symposia Competition in Dayton, Ohio, and a Silver in Environment at the International Sustainable World Energy Engineering Environment Project Olympiad in Houston.

Nicole will be attending Purdue University in the fall and will major in Biology-Health and Disease. (contributed by Becki Foster)

Disruptive technologies – a long-term prediction

Do you recall a time before cell phones, the Internet, ATMs, desktop computers, video games, hybrid cars, fracking, laser printers, or GPS? I'm guessing most of you do. These are technologies that have fundamentally changed our lives and our economy and weren't present in our childhood.

Now let's try how many recall a time before wireless phones, microwaves, color TV, transistor radios, diet cola, Total Quality Management, hand held calculators, or vacuum sealed food storage. I'll guarantee many of us remember all of these items appearing in stores or in meetings. I recall the first TV in our family home. I remember the first air conditioned car we owned. And I'm not old by present day standards. Why is this important? Because what we take for granted in our lives today often didn't exist when we were middle age, let alone when we were born. Some of these items have eliminated entire occupations and created many new ones.

Now let's consider the next 10-15 years. Do we honestly think everything has been created! Clearly, not. We will see even more innovation in the next 10 years. Here is a report that tries to give us a sense of the emerging possibilities. I hope you enjoy the quick read.

<http://www.mckinsey.com/tools/Wrappers/Wrapper.aspx?sid={21F95813-D665-4176-80BD-3823144E3FE2}&pid={A1D4B928-3A7B-4073-AFFA-6AD78525CDB1}>

These are always interesting reports to consider, but I would recommend you focus on one of the 12 areas in the report that will impact our own education profession; automation of knowledge work. Automation of the education process is just emerging. For example, it is now possible for computers to grade narrative answers and do so with better reliability and validity than human beings. This area will only accelerate as great educators figure out how to use some truly amazing developments in our field. Just as the first transistor radios weren't really that good, but evolved over time, so will educational automation processes. Automation of the educational field won't replace teachers, but it will change what teachers do. It will create true professionalization of the teaching profession in ways never before seen.

Enjoy, worry a bit, and then start thinking of exciting ways to capitalize on this amazing future! (report forwarded to me by Bob Smith, manufacturing extension agent, Oklahoma Manufacturing Alliance, Metro Technology Centers)

Performance-based budgeting for Oklahoma

Oklahoma's treasurer and director of finance are working to build performance based budgeting with data-driven projections of measurable spending results to stay "on a steadier fiscal path." Agencies will soon be working to align their budgeting to this approach. This brings tremendous opportunity to CareerTech. Performance-based funding begins with a clear definition of the results desired, lower crime, better educated workforce, etc. It then judges budgets against producing results, not programs or activities. CareerTech is a tremendously efficient educational system when measured by results for dollars spent.

newsok.com/oklahoma-officials-offer-small-steps-on-the-road-to-smarter-government/article/3843786

Northeast Tech Center admin earns top honor

Northeast Technology Center's Deputy Superintendent Roger Crutchfield was named the District 20 Assistant Superintendent/Central Office Administrator of the Year Wednesday by the Oklahoma Association of School Administrators. Administrators and superintendent finalists from 20 districts were recognized during the annual Cooperative Council for Oklahoma School Administration Conference. (The Daily Progress)

Skills to Rebuild event a success, draws 115

CareerTech was present and accounted for in Moore, Shawnee and Little Axe this past week. More than 115 CareerTech folks volunteered at those sites to provide assistance for fellow Oklahomans in need. We were well represented across our system. The kind and giving spirit of our system was evident. A special thank you to Les Love with Eskimo Joe's Promotional Products Group for the donation of shirts. (contributed by Mark Wilson)

Online courses available to companies

On Wednesday June 19th ODCTE BIS Agent Ken Yowell is presenting online learning opportunities to companies at Eastern Oklahoma County Technology Center "Eggs and Issues" conference. Ken will review the benefits of Career Tech's online learning that can be tailored to meet the customized training requirements of companies in manufacturing, banking, retail, service industries and more. Subjects offered through online learning include Automation, Fluid Power, Machining, Lean Manufacturing and many others. (contributed by Matt Litterell)

Summer bridge camp at Metro Tech

Oklahoma City eighth-grade students are getting a jump start on high school by attending Metro Tech's "Summer Bridge Camp." The camp is "bridging" the gap of teens transitioning from middle school to high school. At Metro Career Academy, students are sharpening their academic skills and exploring future careers.

Students selected for the Summer Bridge program are from 12 of the middle schools of the Oklahoma City and Crooked Oaks Public School Districts. Students are increasing their skills in science, technology, engineering and math, while at the same time practicing hands-on skills required for STEM careers.

Horizons covers recovery efforts

A month after deadly storms ripped through central Oklahoma, Oklahoma Horizon highlights the volunteer efforts and the work underway to pick up the pieces. Horizon accompanies a volunteer CareerTech team helping those in the hardest hit areas of Moore and visits with Canadian Valley Tech Center Superintendent Greg Winters on the long road to recovery for the El Reno campus. Horizon's Career Tech storm relief show debuts June 23 at 3:00 p.m. on OETA, with an additional 90 airings throughout that week on its network of stations. (contributed by Rob McClendon)

CareerTech Foundation fundraiser – July 31, 2013

Send me a note if you are planning to field a golf team for this great event. I want to start telling others who is going to be there. I've got my team assembled! Let's fill the course for the cause.

Coffee Creek Golf Course

July 31, 2013

4000 North Kelly • Edmond, OK 73003

405.340.4653 • Tee Time – 8 a.m.

- Format: Four-Person Scramble — Shotgun Start
- Each team must have a minimum handicap of 50 (25 will be the maximum allowed per player)
- Cost: \$90 Per Player (Payment must be received by July 25, 2013)
- Includes: Lunch, Green Fee, Cart and Mulligans (2)
\$5 Per Player Split the Pot (Closest to the Pin) Contest.
- Prizes: 1st Place Team/flight • Hole-in-One • 2nd Place Team/flight • Longest Drive (Men's and Women's)
- Tournament will be flighted based on team participation
- Note: Soft spikes and collared shirt required.

Golf outing update

We are moving forward with donors and teams. Still, a long way to go. I look forward to seeing all of you at this great event in support of CareerTech.

Sponsors:

Dr. Robert Sommers - Gold
Choctaw Nation of Oklahoma - Gold
ADPC - Gold
Insurica - Gold
Francis Tuttle - Gold
Metro Tech - Gold
Oklahoma Manufacturing Alliance - Gold
Dwight Stoddard - Bronze

13 Teams

Schedule for the week

This schedule is subject to change without notice:

Monday

Meeting with staff on Tinker project
Performance Measures Committee – Tom Stiles
Meeting with Lindel Fields
Continuous Improvement Committee
Tech Center Superintendent’s Conference

Tuesday

Tech Center Superintendent’s Conference
Meeting with legislative group
Meeting on CareerTech Foundation
BIS director’s meeting
Tech Center Superintendent’s Retiree Dinner

Wednesday

Tech Center Superintendent’s Meeting
Conference program taping

Thursday

CareerTech Board meeting
Cash management meeting
Meeting with CCOSA leadership
Meeting with Governor’s office

Friday

Senior Leadership meeting
General work

See you around!