

Video Tips and Tricks

Video Tips and Tricks
A lesson plan for beginning
and intermediate video stu-
dents.

By
Kevin Schanck
Waller Junior High School
Tech Connect/Tech. Ed.

This past summer I attended an outstanding workshop that dealt with video broadcast journalism techniques. It was by far and away one of the most informative workshops I have ever been to in my twenty-eight years of teaching. There were so many little pointers I picked up that I have implemented into my program this year. I would like to share one of them with you in this article. The others I will save until a later date. After all, twenty-five bucks is twenty-five bucks! There are two little words that changed my teaching technique in my Video Production classes. Action and reaction. Here's how the lesson works. I pair the students up. Two works best; one is the director and the other is the talent (actor). I have pre-made slips of paper with simple topics or phrases written on

them; for example: "cover a book", "counting change", "make-up work", "an electric chair" and "setting up a tri-pod." Make sure you are using action phrases. After the team picks a topic, they put together a story about their topic. Ok, so what's the catch? My requirements are that they can not shoot more than 00:02:30 of raw footage and it must edit down to no more than sixty seconds final cut.

This is an example of real broadcast television. You know the ones-those short segments that tell a quick story. You see them all the time on the evening news. The trick is to get students to shoot their story in **sequence**. They will definitely want to "think outside the box". Hey, there's another topic! Oh, one other restriction I put on them - no zoom when shooting or transitions when editing. This really makes them have to tell the story in sequence, otherwise known as "shoot to edit." It also removes all the fluff and makes them better videographers. Your students will really grasp the concepts of "in/out of frame,"

"establishing shots", "close-ups", "extreme close-ups" and don't forget WALLDO that I wrote about in the May issue of Tech Link. Voice over or narration is optional. They do add music and sound effects if it helps the story. This is a 5-8 day lesson. Action, reaction can tell a pretty dramatic story in a short amount of time if students use a variety of shots and angles. For examples to review, just record or turn on any newscast and watch the camera techniques of the videographer that is doing the filming for the reporter on the scene telling the story. Best of luck and keep your shutter open! If you have any questions about this lesson feel free to get in touch with me. krschanck@enidk12.org



ITEA to Referee and Publish Selected Research Conference Presentations

Reston, VA, May 25, 2005 –International Technology Education Association members will have a new avenue to publish research from papers given at ITEA's annual conference. The application process will be the same as used by ITEA in the past. Researchers wishing to have their paper reviewed and considered for electronic publication should mark the box designated for the research review. A team of international reviewers will consider the presentation for inclusion in the conference program and publishing on the ITEA Web site with research from other refereed conference proceedings. The review process will be chaired by Dr. Marc de Vries of The Netherlands. Questions pertaining to this process should be addressed to: ITEA@iteaconnect.org. The deadline for submitting abstracts for presenting at ITEA's 2006 Baltimore Conference should is June 15, 2005.

For more information, contact ITEA, 1914 Association Drive, Reston, VA 20191 (itea@iris.org) 703 860 2100.

Palm Survey Results

Due to the huge success of Year 1 which resulted in 1,000 new ITEA members...



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- uploaded my excel gradebook onto the handheld
- grade the student's work as I critique their project
- downloaded student evaluation tools which are completed daily in the clinical area
- used for reference books ie, Davis Drug Book, Taber's Medical Dictionary, Lippincott Manual of Nursing Practice
- cost analysis of using them and ... (applicable) software vs. textbooks
- trained our administrators to use their palms
- used my palm pilot along with Margi Presenter-to-Go, to teach our faculty
- slide presentations to my middle school classes
- take pictures of my students projects for display
- for planning and record keeping
- store all the addresses and phone numbers of people you need
- store cell phone numbers of students while on school trips
- set the alarm for events with how ever much lead time I think that I will need
- keep up with my grades on the making the grade program
- use it for my daily calendar, notes

- when I walk through buildings
- manage my class with the calendaring features my students are in my address book with all contact info along with a pic to ID them
- take pics of them and pass them on to our campus media person
- used the pics to put together a sheet for subs to use to take attendance (match face with name)
- transport powerpoint presentations
- I am able to show the students how I use mine daily, with the calendar and how it helps organize your daily work
- use the camera to take pictures of class projects and activities and share with the students
- a wonderful tool to help keep me organized and meet deadlines!!
- use mine in clinical to keep track of skills
- I would be lost without my palm.
- I keep all my Internship sites listed in it and that was handy when we were on vacation to pull up the name and phone number to check on my students and keep record of what the dentist had to say.
- use it to record counseling sessions with my students

Palm Survey Continued

- I'm a Superintendent and I use my hand held CONSTANTLY!
- I also use "Step", it is a free downloadable student discipline software that keeps track of student discipline problems.
- I use my handheld computer alot for going to the grocery store for food labs and class supplies.
- helps to keep track of money spent at the store



- keep track of my students that have Supervised Agricultural Experience programs including all of the students and parents information including information on their animals.
- use the voice recorder frequently when I am driving and need to make a note of something before I forget it
- Most of the things I use it for are for lesson plans and planning what goes on in the shop and classroom.
- I have each week's lesson on the palm and I can plan for those things coming up.
- One of the neatest things I like is that one of the trucks I have in the shop is diagnosed with the palm.
- While teaching the marriage unit I have demonstrated to my students how my husband and I use our handheld computers to keep track of not only our schedule but our children's as well.
- I currently have our Skills Manager program loaded on it which I use eve-

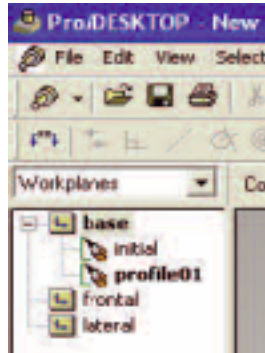
- ryday to track student progress and skill levels
- Excel spreadsheet containing my grade book
- I use my handheld palm pilot on field trips with the students. I let the students use the camera, recording, or note taking option on these trips
- I am furthering my education by working on my masters in educational leadership. My professors require that some of my work be turned in by beaming homework from my Palm.
- We were needing some equipment for the classroom. I went to stores in the area, took pictures of the different types and sizes, wrote the price on the screen, saved it, and brought it back to show my team-teacher. This helped us to decide what would be best suited for our situation.
- I bought a classroom set of 10 for my program. I am currently using them in my accounting class. Each student checks out a palm to use for 12 weeks. They and their parents have to sign a release saying they are responsible for replacing it if they lose it or damage it. Every Friday we have a palm lesson such as learning to do tasks, set appointments, set alarms, download music, write a paper in Word and beam it back to the computer and then print. I also purchased the mini keyboard so that they can learn to keyboard on it as I give notes. I feel this is great experience for them and would be an excellent item to have in college. The students love it - and I have had several parents calling me asking me where they can buy one for their kids for Christmas. Other teachers tell me the students use them in their classes for notes, assignments, ect. I personally use it to keep track of my lessons, and grades. I downloaded a trial version of a grade book and plan to buy the original so I will have attendance and grades on my

- palm. I hope this helps. If you need any additional information please feel free to contact me.
- I have a spread sheet that keeps track of the grades and attendance. It also links much of the data to give totals and grades.
- We have three lunch periods and a problem of students taking more than one lunch, so I have all 1300 students along with their lunch hour.
- For dicipline I take pictures of students that I don't know, and then use the voice recorder to keep pertinent information about the student and the violation.
- I have a number of Hispanic students so I have an english spanish dictionary.
- Took pictures of range plants and took back to class for teaching purposes
- used the excel for recording animal weights to figure weight per day of age

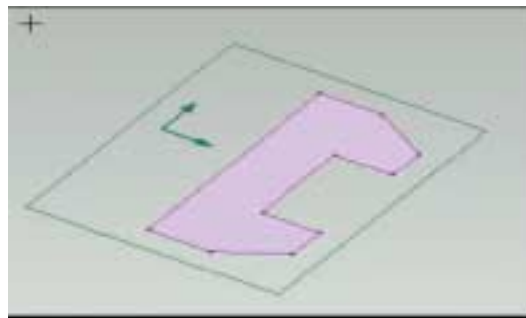


Pro Desktop Tips

In Pro/DESKTOP 2001 (version 6) the revolve feature required the use of two separate sketches created in the same workplane, one for the profile and the other for the axis of rotation. In **Pro/DESKTOP 8.0**, the revolve feature no longer requires a separate sketch for the axis, you can now select a line within the profile, an edge of a solid, or select two workplanes to define the axis of rotation. First select the workplane onto which you want to sketch the profile for the revolve. In this example, the **Base Workplane** has been selected. Click on the plus (+) sign to reveal the existing sketches that exist on the workplane.

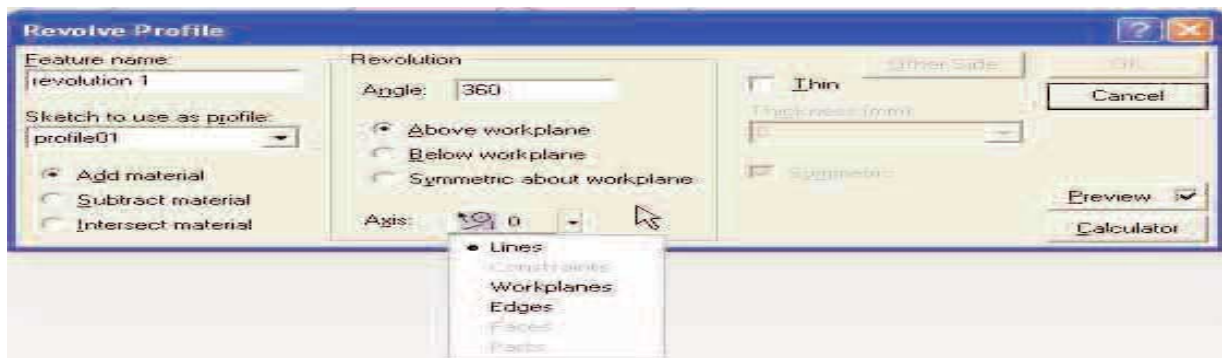


Now create a **new sketch** on the base workplane. It is always best practice to give your sketches names that make sense, for example “*profile01*”.

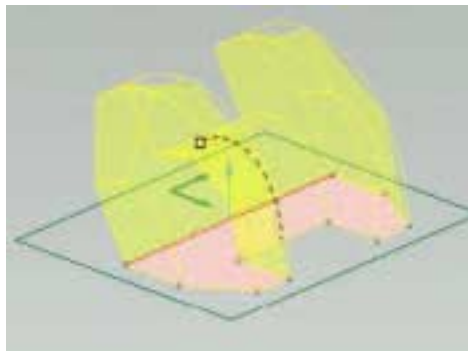


Now **sketch** the profile for your revolve feature. Under the Feature menu, located at the top of the Pro/DESKTOP window, select “*Revolve Profile*”.

In Pro/DESKTOP 8.0, the **Revolve Feature** dialog has the option to select the entity type to be used for the Axis of revolution.



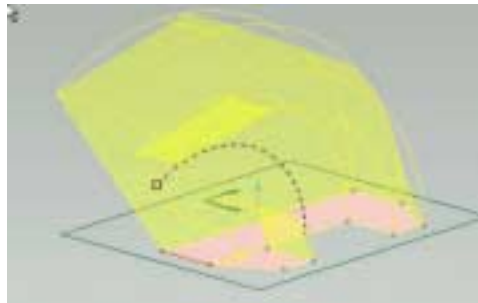
You can select any line on the sketch as long as the revolve that results from this doesn't self-intersect. You can explore many different results by selecting different lines each time you select the preview with update. There is one requirement in terms of axis selection; and that is that the axis line must be one continuous line.



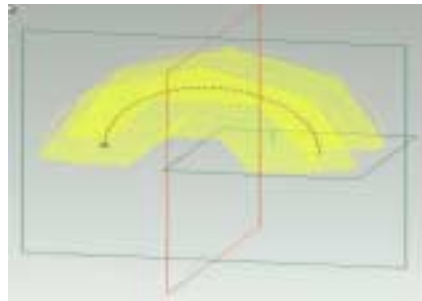
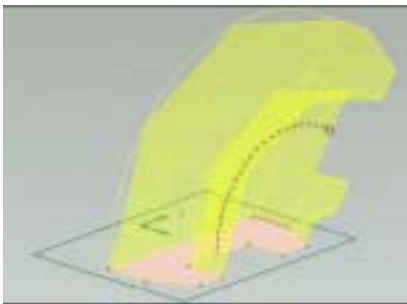
Pro/DESKTOP assumes you wish to create a complete 360-degree revolution. If this is not the case, you can either dynamically drag the revolve feature to your preferred angle or enter the specific angle in the dialog box. In this case we will stick with 360 degrees.

Here are some examples of different results using different lines for the axis of revolution:

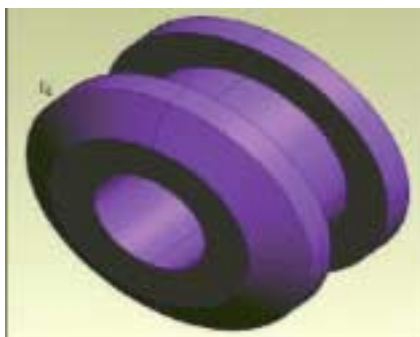
For the purposes of this exercise we will select a workplane to define the axis of revolution. When you select a workplane, Pro/DESKTOP performs an intersection between the workplane where the active sketch is located and the selected Workplane.



Alternatively, we could have inserted a construction line in the profile sketch to act as the axis.

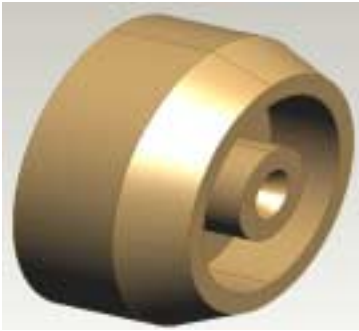


Now select **done** and here is our finished revolved feature. Below are other finished revolutions With different axis selected.

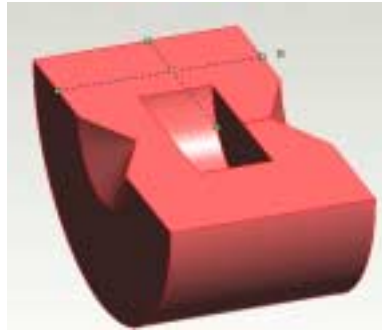


OR



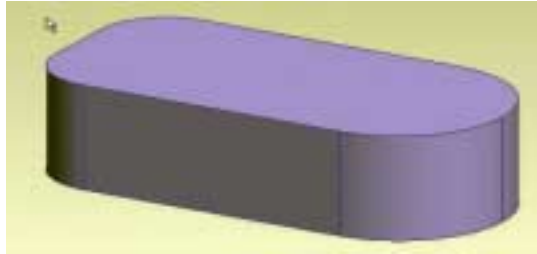


Or

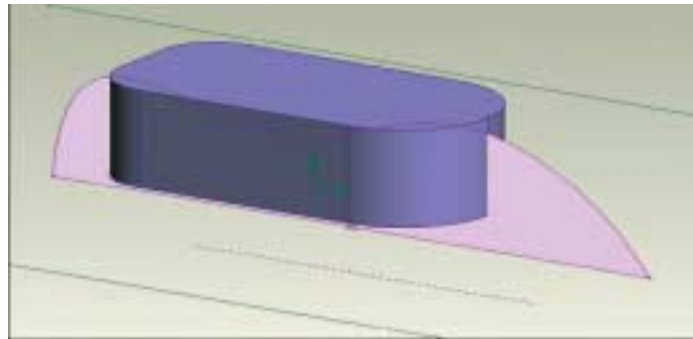


Let's explore how we can use the revolve feature with the intersection option.

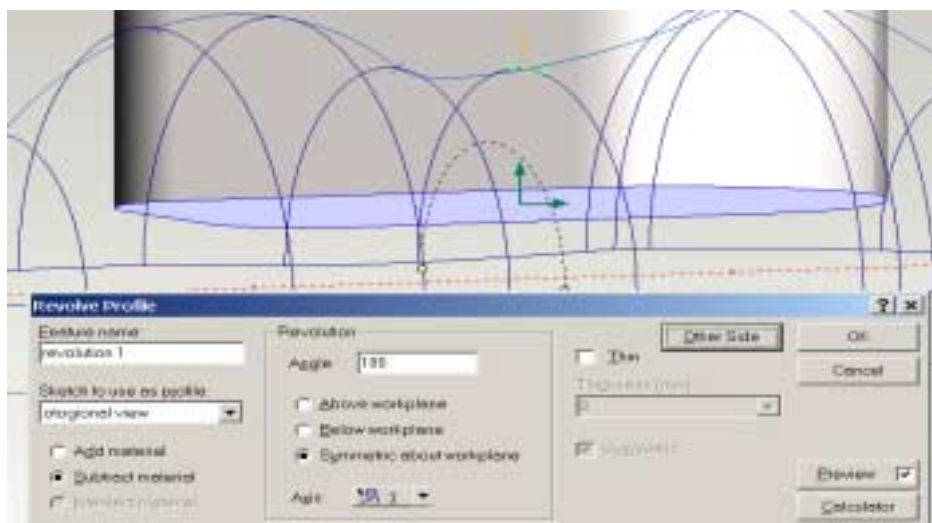
Here we have an extruded feature.



On an orthogonal [lateral workplane] workplane we have created another simple sketch and placed a construction line below it to use as the axis of rotation.

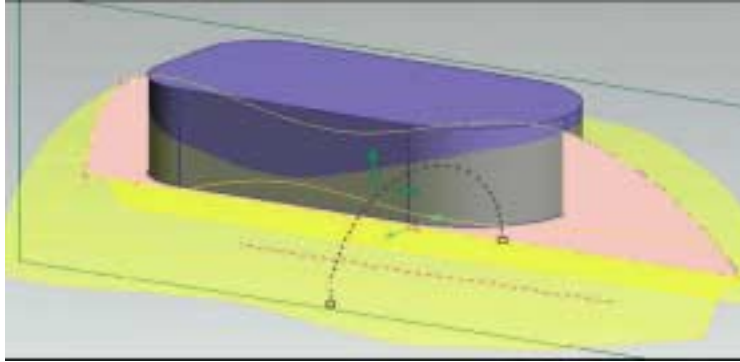


When we perform the revolve feature, select **subtract material** and **symmetric about workplane**. We've also need to select the "**Other Side**" button and watch the direction of the orange arrow point away from the revolve [meaning that the revolved part will stay and the upper part will be subtracted].

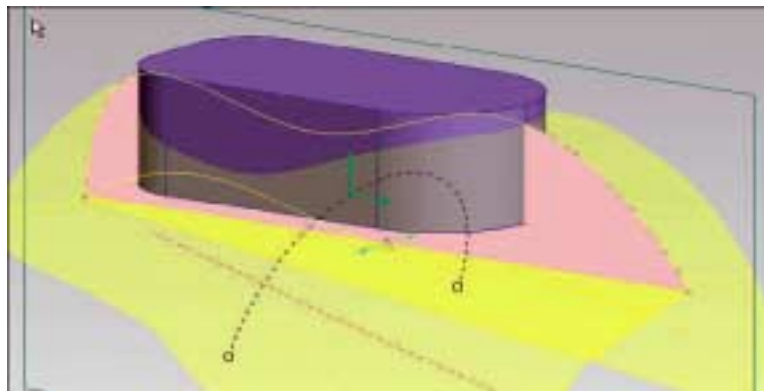


Now select the construction line for the axis

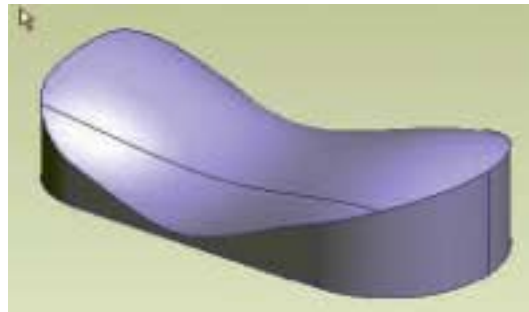
At this point you can explore many different results by simply moving the axis while still in the feature creation process



When you're happy with the preview select **OK** to finish the feature creation.



As you can see from these simple examples you can use the revolve feature to create some interesting models. The use of the intersection option can produce shapes that would be very difficult to create using other feature operations.



This technique could be used to create some difficult designs where you might only have been able to loft profiles through several planes, such as the creation of an airplane propeller.

If you are not using Pro/DESKTOP in your classroom the price should not be holding you back. [It's FREE]

Classes are forming for the summer and take two full 8-hour days. It cost about \$50 a person depending on the location, but for the time and a little money you will get a 300 seat license that will allow you to give the software to the students to use at home.

If you are interested in taking the class or hosting the class for your area of the state contact:

Kevin Terronez
Kterr@okcareertech.org
Oklahoma Department of Career and Technology Education
1500 West Seventh Avenue
Stillwater, Ok 74074-4364
Phone: (405) 743-5477
Fax: (405) 743-6809

Google Launches New Tools in Bid for Desktop Dominance

By Erika Morphy
TechNewsWorld

02/10/06 2:32 PM PT

Google's latest offering may be less a threat to Microsoft than to the concept of online privacy. Government entities are increasingly targeting information providers for data on their users. Once Google begins storing information from PCs on its servers, government interest is likely to become more intense -- and subsequent legal moves are bound to get more assertive. Google (Nasdaq: GOOG)



has introduced a new version of its desktop software that gives users the ability to find information on any PC and then share it with others. Called Desktop 3, the application takes data residing on an individual's PC and stores

it on Google's central computer for a limited time.

The search giant also announced that its recently introduced "Sidebar" system has been updated to allow users to more easily share notes, photos and other news.

Google vs. Goliath?

These two developments have reinforced the perception that Google is making a serious play for desktop dominance. That idea is not far-fetched -- Google continues to develop OS-like functions that, taken as a whole, could eventually rival Windows. Also, it is one of the few companies able to take on Microsoft. Even so, Google may never be able to topple Microsoft -- if indeed that is its goal. Google has done a good job of co-opting the desktop with its toolbar products and desktop search, along with features such as Google talk, he acknowledged. However, dethroning Microsoft would not be easy. "Once an individual or company makes an investment in Windows, buys the software, and continues to spend money on upgrades, it will not suddenly shift to Mac," Wilcox noted. <http://www.technewsworld.com/story/j94QIDZgznNPRN/Google-Launches-New-Tools-in-Bid-for-Desktop-Dominance.xhtml>

Interesting Web Sites

<http://stardustathome.ssl.berkeley.edu/>

<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/E6-749.htm>

<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/E6-582.htm>

http://www.thetech.org/exhibits_events/online/satellite/

http://www.windows.ucar.edu/cgi-bin/tour_def/earth/earth.html

Internet Plagiarism Issue

<http://www.kansascity.com/mld/kansascity/news/nation/13741705.htm>

<http://www.edutopia.org/php/sub.php>

<http://www.malevole.com/mv/misc/killerquiz>

<http://desktop.google.com/>

<http://earth.google.com/>

National TSA News

TSA Fall Conference is considering an exciting, new type of conference to be held in the fall of 2006 in two major cities (the same conference will be offered in both cities). This week-end conference, *TSA Connections*, will focus on several competitive events (in-depth overviews of the events, tips and demonstrations), as

well as having a leadership component. It will replace the *Directions Leadership* conference.

As we consider the logistics and design of *TSA Connections*, we need your input. If you are an advisor or other adult involved with TSA, we ask that you go to TSA Connections Advisor Survey and

take a survey to provide your feedback. If you are a student member, we ask that you go to TSA Connections Student Survey and provide your feedback. Thank you for your valuable participation in this non-binding survey.

Sandy Honour
Technology Student Associa-



Announces New Membership Opportunity for Museums.

Museums play an important leadership role in education, providing learning and training that promotes technological literacy for all. An ITEA membership enables staff to receive educational materials, participate in professional development opportunities, and be eligible for recognition awards for excellence by providing the following:

- Annual subscriptions for five staff members to *The Technology Teacher and Technology and Children*.
- Online resources
- Free listing to highlight and publicize the museum in the April issue of *The Tech-*

nology Teacher and a live link from our Web site.

- Ready to use activity guides mailed twice per year.
- Complimentary registrations for two staff to ITEA's annual conference.
- Savings on exhibit space at the annual conference.

An ITEA membership shows support for technology education, science and engineering and provides a wealth of benefits and services for the museum and staff for only \$210 per year.

For information call 703-860-5032.

ITEA: Teaching Excellence in Technology, Innovation, Design, and Engineering (TIDE)

Special Thanks

A special thanks goes out to all the vendors and representatives who were at summer conference.

GBC Educational Products Devison, Gibson Tech Ed., Inc., Goodheart-Wilcox Publisher, Gray Technologies, Great American Opportunities, Inc., HealthChoice, Hearlihy, Horace Mann Com-

panies, Hughes Pictures, Johnson and Wales University, Knowledge Matters, Inc., Kretchmar Distributing, Inc., Lab Resources, Inc., Learning Systems, Marcraft International Corp., Melton Company, Mid-State Industrial Supply, NanoPac, Inc., National Board of Certified Teachers, National Career Assessment Services, National FFA Organization, Na-

tional Learning Systems, National Technical Honor Society, North American Group, ODCTE/IIS, OEA, Oil paintings and frames warehouse, OKACTE-Career Tech, Oklahoma CIMC, Oklahoma Correctional Industries, Oklahoma Department of Career Tech Educational– Guidance Division.

More next Issue.

Mid-Winter Conference



Unfortunately, I did not get the opportunity to go to the mid-winter

conference. From the information I gathered everyone had a good time and there were several interest sessions. The interest sessions were about specific competitive events and core modules that benefit our programs. I would like to ask for more information from the mid winter conference; And as always please send information to me to be put into the Tech Link newsletter.



Grant Opportunities

A few grant opportunities to pass along.

Keefe Brown brown@aws.com
\$6,000 weather station grants available to Oklahomaschools

Best Buy Grants
www.bestbuy.com/community-relations/grants.htm

http://techlearning.com/resources/results/grants.jhtml?start=1&howMany=10&grant_type=5

MSN/grants to educators

<http://www.epa.gov/enviroed/grants.html>

<http://www.fundsnetervices.com/educ01.htm>

<http://eelink.net/pages/Grants++General+Information>



ACTE Convention Update

From: Patrick McGregor [mailto:member@okacte.org]
Members . . . All of us at the Association are so thrilled with the generous support many of you have given to the disaster relief efforts. We have compiled a full page of various fundraisers and benevolent support, and I know we all are doing many things in a private manner or through our churches and communities. We have recently

learned that many of our friends in the gulf region are safe and sound and we thank God for that. There are many who lost everything and I'm sure there will be some ways that we can help in the future. The ACTE convention is definitely moving to another site and we expect an announcement concerning the new site and other particulars by early next week. We

have learned that most airlines are allowing changes in the destination airport of previously purchased tickets to New Orleans or Gulfport/Biloxi as long as they are notified prior to arrival dates. You can learn more about ACTE's process in changing venues by going to: www.acteonline.org/convention/convblog.cfm <<http://www.acteonline.org/convention/convblog.cfm>>.

Calendar of Events

JUNE 2006

June 1-3 CareerTech University (State Officers Only)

June 21-25 TSA Nationals -"TSA, Pathway to Tomorrow", Adams Mark Hotel, Dallas, TX

JULY 2006

July 17-21 TE New Teacher In-Service

AUGUST 2006

August 1-3 August Conference-Tulsa

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