

Interface

Journal of the WTEA



Fall 2011
Volume 51 Number 1

WTEA



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Check the first line of the mailing label on the back of this magazine. You will not receive the next important issue of the *Interface* unless your dues are paid beyond 2011.
See page 8 for subscription & membership information.

Set Your Goals High

by Pete McConnell, WTEA President

Welcome back to an exciting and challenging school year! It is with great anticipation (new opportunities) and a little trepidation (summer is over) that I greet my students in Technology Education at Merrill High School. At the beginning of each school year since 1980, I have made it a point to set a series of personal and professional goals for myself and my students to guide me in setting the bar higher. As I considered that activity for our association, here are the topics of improvement that each of us can measure as we begin our new year. Those topics are: Data, Data, and Data. What are our Improvement Targets? And how are we collaborating with areas that are directly affected by CORE based initiatives?

Goal #1: Data, Data, Data

What is the data we can generate in Technology Education that matters to those who investigate our curriculum? What do people know about what we do? What do our students learn and how is what they learn transferred to the other educational areas of their lives. How do the students utilize the skills they learn? Do they stay in our communities or move away? Do they move right into the employment sector or are they attending our 100 year old Technical College system? Maybe they are going to college. If you are extracting this data, are you using it to promote Technology Education in your community, your State? How do the standards covered by your local curriculum align with State and National Standards? Are you accessing the Wisconsin DPI Math and Science Cross Walking opportunities to further validate your Tech Ed curriculum? In short, identify what the data is and use it!

Goal #2: Improvement Targets

Did you start this year by complaining about what is still broken, or did you make a plan to fix it? Technology Educators are known for their “just fix it” mentality and for good reason. We are masters at teaching and exercising good problem solving techniques. What’s broken? It might be rigorous curriculum, low enrollment, poor community perception, lackluster administrative and board support, no advisory committee, no community involvement, inappropriate teacher preparation, or no plan in place for promoting your program or the successes your students experience. What resources do you have available to help you meet your goal of improving the situ-

ation? The WTEA works hard to help you know what resources we have available for you. Check out our Website (<http://www.wtea-wis.org/E.html>), contact a district rep, contact Brent Kindred at the DPI, utilize the DPI tech ed list serve, attend the WTEA spring conference, visit a successful school, or call one of the many helpful vendor reps that support our association. Ask for assistance and create a plan that is challenging and attainable.

Goal #3: Seeking Collaborative Efforts

Many Technology Education professionals have operated on the premise that if they need me, they know where to find me (and it better be pretty important!). Others have welcomed and even invited other areas to participate and celebrate what happens in Technology Education areas. The time for waiting is over! We need to go out and seek collaborative opportunities. I understand that there are those skeptics that are fearsome of

selling our “product” out to the other CORE areas that would ultimately allow administrators to eliminate our (expensive) programs. See Goal #1 and Goal #2! I am not suggesting to give away anything. I am suggesting that by collaborating, we become aware of how we can manipulate other curriculum to enhance and stimulate the learning opportunities by our students across the learning areas. If we validate our programs with data and rigorous curriculum, the collaboration should only validate us that much deeper. Our students get it! They know how Technology Education impacts their lives. We need to make sure that the other factions of the educational process get it too! We do need to be our own best informants. If that means to toot your horn, then toot away!

There are many other discussions that could be inserted here, but I have learned that keeping new year goals simple is a better recipe for success. Collect and utilize the data. Identify shortcomings in your program and actively seek solutions to fix what’s broken. Collaborate and take your show on the road to spread the good news that Technology Education is a vital and integral component of every single student’s learning opportunity! Remember that the WTEA will continue to stand ready to assist and serve in any way necessary to help move Technology Education one step further in your community and school district!



WTEA BOARD NEWS

2011 Annual Membership Meeting Highlights

by Ken Bremer, WTEA Secretary/Treasurer

The following summary highlights the 2011 General Membership Meeting held March 10th at Chula Vista Resort during the annual spring conference.

- SkillsUSA presented the opening ceremonies.
- Secretary's report was given.
- Greg Groom was installed as President-Elect.
- Blake Greisinger was installed as Sec/Treasurer.
- Mike Cattelino was installed as Vice-President.
- Report by Past-President Al Gomez.
- Executive Director Joe Ciontea gave financial report and explained constitutional changes.
- Vote taken & passed on constitutional changes.
- President Pete McConnell reported on political climate and activities.
- Steve Johnston shared provisions of WTEA Articles of Incorporation. Advisory ballot was passed in regards to WTEA reactions to recent political events.
- Mike Beranek will set up receptions at ITEEA.
- Jeff Dowd reported on successful Trade Show.
- Steve Meyer explained Student Showcase to take place Friday morning.
- Activities to raise money for WTEA Foundation will take place at the reception after the banquet.
- Donation bucket passed for WTEA Scholarship. \$352.21 was collected.
- S.H.I.P.S. program conducted by Bob Werner & Jeff Dowd to follow adjournment of meeting.

Complete minutes are available from Ken Bremer at kbteched@gmail.com



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DISTRICT NEWS

District B

Brian Schiltz



Welcome back to another fantastic year of inspiring our future generations to make a difference in the world. Regardless of what is happening around us, the students we are influencing will be the ones we count on to rebuild this nation.

I am your District B (Nicolet Area Technical College District and Northcentral Technical College District) representative for WTEA and thank you for the opportunity to represent you. Some of you I know very well, others I am looking forward to getting to know you more.

I typically do not allow e-mail addresses to be visible for all to see, however, I am looking for your help in updating my e-mail list. If there are corrections, people to add or delete please forward them to me.

As a representative, I am asked to send a report for the Interface, the WTEA journal. I am asking if you have any great things that you would want me to share that happened recently with your students or your colleagues, please send me an e-mail with a short description and/or photos. I know we have had some schools represent themselves well at the SkillsUSA this past year, as well as some local competitions at the Technical Colleges. Anything that will spotlight your program or an event that you are involved in would be great.

I thank you in advance for your time and cooperation. I look forward to hearing back from many of you. If you have any questions feel free to contact me.

District E

Doug Kugler



Greetings to all WTEA members! I hope your summer was relaxing and restful. There are some minor changes in our district as district 9 & 10 will be combined starting this school year. I will try to connect with all of you via email. I know there could be a lot of new faces so I will try to update the list ASAP.

Please help me if I miss anyone and send me your information by emailing me at dkugler@waukesha.k12.wi.us or call at 262-790-9128 (home) 262-271-6953 (cell).

My goal as your representative this year is to set-up an updated teacher's e-mail list, field trips and informational meetings at the technical colleges in our district (WCTC, MATC, and Gateway Technical College), and a field trip to

the Snap-On Tool plant. The meetings will be open to all Technology/Engineering teachers in our district and is not limited to WTEA members. If any of you would be interested in hosting a meeting or have a business/industry that would make a great field trip, please contact me.

I look forward to hearing from you and I hope to see some of you at this year's conference "Building Wisconsin Strong," March 8-9, 2012 at Chula Vista in the Wisconsin Dells. Hope you all have a great year!!

District H

Tom Martin



Welcome back!

I hope that this article finds you rested and ready for another exciting year!

- Another year to equip young men and women with fundamental technical, work-based and interpersonal skills. I'm writing this article on July 11 and I'm already excited about the opportunities you will provide for your students. Whether you're in Argyle or in Webster, the Technology & Engineering curriculum is relevant for your students and aligns itself synchronously with the core.

- Another year to contact local industry partners to have your students talk with them about what is happening in your program. This summer I've spoken with colleagues from the Transportation, Tourism and Manufacturing industries. They need your students. In return they are hearing the need to support your programs by engaging you in conversations that lead to cooperative enterprises. Make it a goal to align with just one local partner and grow your network.

- Another year to institute a SkillsUSA Chapter in the middle & high school. Look at our Agriculture & Natural Resources colleagues. Nearly every program has an FFA. It's no coincidence that their programs have been sustainable. We could and should be emulating them.

- Another year to align current pedagogy to your local post-secondary partner. Notice how I did not say 'add a new class.' Take your rigorous offerings and in working with your local technical college, allow your students to take dual credit. That action alone can add value to your offerings by speaking to the rigor of your curriculum, the seamless alignment with high skills/high need pathway(s) and the cost savings for your students.

These are solid strategies to help you continue to inspire our youth. There are chinks in our collective armor, but if we remain resolute to who we are, we will continue to inspire, demand, mold, and love our students, our curriculum and our profession as much as we have before.

EXECUTIVE DIRECTOR

Welcome Back

The WTEA is alive and well! At our annual membership meeting last spring we made some changes to our district director structure. A new director map is printed on this page. Each district director will represent two technical college districts. The districts are identified by the letters A-H instead of numbers. Please take a moment this fall to send an email to your district director and tell him what the WTEA can do to help you be successful in the classroom. We can help you identify instructional resources and provide professional development.

Due to retirements and job changes over the summer we have a number of openings on our Board of Directors. This is your opportunity to work with a great group of professional educators and help move our association forward. Contact any Board member for more details.

Awards & Scholarships

The association needs your help. Please take a few moments to nominate a colleague or program for recognition. All you need to do is send us an email, the awards committee will do the rest.

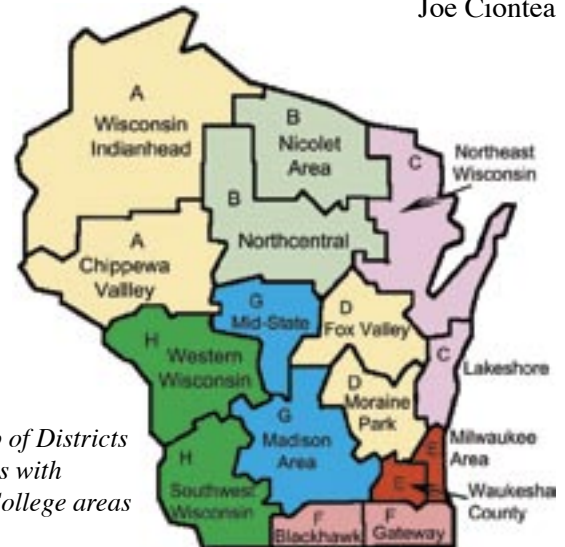
All scholarships are sponsored by our foundation. Encourage your students to check the www.wteafoundation.org website for details.

43rd Annual Conference

Something new for the 2012 conference – register for the conference (with a credit card or school P.O.) before Christmas and you get a free lunch on Thursday. Conference details and forms are published in this issue of *Interface* and on our website.

Have a great fall, see you in March.

Joe Ciontea



WTEA Map of Districts aligns with Technical College areas

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- Bob Werner, President-First Technologies, Inc

CALENDAR

- Dates to Remember -

October 5 - 7, 2011	SkillsUSA Fall Leadership Conference	Rosholt, WI
October 7, 2011	DPI/WTEA Fall In-service	Fox Valley Tech. College
October 12 - 14, 2011	National Career Pathway Conference	Orlando, FL
October 14 - 15, 2011	WTEA Fall Board Meeting	Madison
October 21, 2011	DPI/WTEA Fall In-service	Park Falls High School
October 26, 2011	DPI/WTEA Fall In-service	CESA #4, West Salem
October 27 - 30, 2011	SkillsUSA Mid-America Leadership Conference	Columbus, NE
November 2, 2011	DPI/WTEA Fall In-service	CESA #11
December 5, 2011	SkillsUSA - Dist. 4 Competitions	Portage High School
December 7, 2011	SkillsUSA - Dist. 1 Competitions	WITC, Winter, WI
December 8, 2011	SkillsUSA - Dist. 3 Competitions	Antigo High School
December 14, 2011	SkillsUSA - Dist. 5 Competitions	Hartford Union H.S.
December 17 - 19, 2011	ACTE Annual Conference	St. Louis, MO
January 13 - 14, 2012	WTEA Winter Board Meeting	Wisconsin Dells
March 8 - 9, 2012	43rd WTEA Conference	Wisconsin Dells
March 15 - 17, 2012	ITEEA Annual Conference	Long Beach, CA

SUBSCRIPTION



Interface School Subscription

The WTEA school (building or district) subscription provides you and your local colleagues with an opportunity to keep informed about technology education in Wisconsin. The more local technology educators you sign up, the more you save. An individual subscription is \$30, but you can sign up 6 people for only \$125 - that's a savings of \$55 (see fee schedule listed below). Each additional person beyond the initial 6 is only \$10.

How it works:

Complete the form below and list every technology educator in your building. If your department has teachers in more than one building, duplicate the form and provide us with the correct school address for each educator. That way separate buildings in the same school district can be combined to increase your savings. All names listed must be employees of the same school district. Tally the fees on the form and send it along with a check or school purchase order to the address on the bottom of the form. **To be eligible for all benefits of this special pricing, school subscriptions should be sent as soon as possible.**

What you get:

Each person receives: a personal copy of the *Interface*, all association mailings and notices, invitations to attend regional technology education meetings and workshops, unlimited access to the WTEA website, discounted admission to the association's annual technology education conference, and eligibility to receive all association awards (educator of the year, program of the year, award of excellence, 25 year award). All mailings will be sent to the school address on the form. This school year subscription will expire the following fall. This form will be published in the *Interface* each fall; it is also available on the WTEA website.

Please type or print all information. Duplicate this form as necessary.

School Dist. _____ School Name _____

School Address _____

School City _____ State _____ Zip _____

Phone (_____) _____ School Fax _____

Local Technical College District (used for regional workshops and meeting invitations) _____

Local Tech. Ed. contact (dept. chair, LVEC, etc.) : _____

E-mail address of local Tech Ed. contact: _____

Name and email	# of years teaching	Fee
1 _____	_____	\$30
2 _____	_____	\$25
3 _____	_____	\$20
4 _____	_____	\$20
5 _____	_____	\$15
6 _____	_____	\$15

Each additional person is \$10 each; names and school address may be attached on a separate sheet.

Please note: The Interface is published 3 times per year: fall, winter and spring

Total _____

Send this form with check or Purchase Order to: WTEA PO Box 1312 Fond du Lac, WI 54936-1312
Fax 920-922-0779

AWARDS

WTEA Awards Nomination Form

Nomination Procedure

The Wisconsin Technology Education Association (WTEA) Awards Program annually recognizes technology educators, industry professionals, and technology education programs that have demonstrated outstanding achievement.

- Write a brief description that describes why the nominee deserves recognition from the association.
- Indicate the award category (individual, school, or special recognition).
- Nominations must be received by November 15th to be considered for recognition the following spring.
- Technology educators must be a member to be considered for award recognition.
- For a detailed description of the awards, visit our website or contact any member of the Board of Directors.

The awards committee will contact the nominee and request information regarding the nominee's curriculum, achievements and contributions to Technology Education along with letters of endorsement. Responses must be received by January 10th or the nomination will not be considered by the selection committee.

Nominee Information (Please type or print)

Name _____

School Name & Address _____

City _____ Zip _____

Work Phone _____ e-mail _____

Rationale: Briefly describe why this individual or program should be recognized.

Award Categories

[] Individual Awards:

Award of Excellence

Technology Educator of the Year

Lifetime Achievement Award

[] School Awards:

Middle School/Junior High Program of the Year

High School Program of the Year

[] Special Recognition Award:

For non-technology education teachers, administrators, business sponsors and industry professionals

Nominated by _____

Address _____

Work Phone _____ e-mail _____

Signature _____ Date _____

www.wtea-wis.org

WTEA, P.O. Box 1312, Fond du Lac, WI 54936

WTEA SCHOLARSHIP

WTEA Awards Two Scholarships

The WTEA Foundation is pleased to announce that Paul Seidler of Sturgeon Bay, WI has been awarded a \$500 scholarship. Paul is majoring in CTE at U.W. Stout and plans to teach auto mechanics upon his graduation. Paul will be recognized at the WTEA Awards banquet on March 8, 2012. Paul's scholarship essay is printed below.

Also the WTEA Foundation is pleased to announce that Emily Steward of Wisconsin Rapids has been awarded a \$1000 scholarship. Her scholarship will be paid over three years; the final payment will be presented at the WTEA Awards Banquet in the spring of 2014. Emily began her freshman year at U.W. Stout this fall. Her scholarship essay is printed below.

Paul Seidler



Through most of my high school years I "did not know what I wanted to be when I grew up." I decided to go to a two year technical college my senior year, so I applied to the Diesel Program at Northeast Wisconsin Technical College (NWTC). I had a background

with diesel engines from growing up on a farm. I had very few shop classes in high school, and the few I did have were not mechanical. For me, the Diesel Program was completely new and I gained many skills and a lot of knowledge about diesel technology and mechanics in general. While I was at NWTC, I found that I really enjoyed working with other students, helping them learn if they did not understand any of the concepts. I started tutoring students in math and electrical. The feeling I got from tutoring and helping other students encouraged me to become a teacher. After I graduated from the Diesel program in 2009, I stayed at NWTC one more year, taking more general education classes. I then transferred to UW-Stout in the fall of 2010. I originally was majoring in Technology Education. I liked the teachers and classes I had, however, I wanted to pursue adult education, so I switched majors and am now in Career and Technology Education. I plan on doing my student teaching at NWTC under Jon Sowl sometime this next school year. If awarded this scholarship, it will help me finish my education so I can become an instructor and hopefully be able to teach at NWTC in the Diesel Program that I graduated from.

Emily Steward



I would love to major in Technology Education and become a teacher. I've known that I wanted to be a teacher for quite a long time, but just in the past two years I have realized that being a Technical Education teacher is the right career choice for me. I think

about it every day and I get more excited for it as every moment passes by. As a little kid I was always with my dad in the garage getting in the way and trying to help him with his projects. To this day I'm still always in the garage with my dad; it's one of my favorite things to do in my free time. I've always known that I did not want to sit behind a desk for the rest of my life. I love working with my hands on everything I do. I also love teaching. I love the feeling you get when you know you have taught someone something new. It's such a rewarding feeling and with Technical Education there are always new things to learn and new things to be taught. I also love being a leader. I was a camp counselor at our local YMCA Y-camp for three years and I loved every second of it. If you combine these two interests together, it is quite clear that being a Technical Education teacher is the perfect career choice for me.

Check out the WTEA Home Page

www.wtea-wis.org

SkillsUSA National Leadership and Skills Conference 2011

This summer, Wisconsin was very well represented at our 47th Annual SkillsUSA National Leadership and Skills Competition. SkillsUSA Nationals is a chance to compete against other students from across the country. It is a great chance to show off their skills and meet people from other states. Wisconsin SkillsUSA members did an excellent job in representing our state. The Wisconsin SkillsUSA State Officer Team also attended official business meetings where they listened to their peers and elected the new national officer team. In total, Wisconsin had a delegation of over 100 in Kansas City. This was SkillsUSA's largest conference with total competitor registrations of more than 9,600 and total participation was over 15,000.

We would like to send a big thank you to everyone who helped make Nationals a successful experience. Thank you to all of the advisors and parents who helped their students in preparing for their national competition. Also, thank you to all the competitors who attended Nationals and participated in the events. Finally, thank you to all of the sponsors who made even arriving at nationals possible.



SkillsUSA State Officer Team 2011 - 2012



Scenes from the SkillsUSA National Leadership and Skills Conference

Congratulations to all SkillsUSA members who were able to attend the 2011 National Leadership and Skills Conference. We would like to specifically recognize those that did medal at Nationals in their events:

- Racine Washington Park - GOLD medal in photography
- Gale-Ettrick-Trempealeau High School - SILVER medal in cabinetmaking
- Winter High School - SILVER medal in opening and closing ceremony
- Bay Port High School – SILVER medal in extemporaneous speaking
- Monona Grove - BRONZE medal in related technical math
- Winter High School – BRONZE medal in chapter business procedure

Gateway Technical College Celebrates 100 Years as First in the Nation

Gateway continues to play vital role in lives of its students, communities and businesses

by Lee Colony, Communications Specialist, Gateway Technical College

America's economic engine can be fueled through the education delivered at technical colleges – the same skills and training delivered by those colleges and their predecessors for the past century.

That message was delivered by a number of speakers July 12 to the local, state, regional and national attendees at a commemorative program on Gateway Technical College's Racine Campus during a celebration of its 100th anniversary as the first publicly funded technical college in America.

"America is in an economic war and education is our primary weapon," said Snap-on Incorporated chairman and CEO Nick Pinchuk. "Technical education is more important today than ever before."



Snap-on Incorporated CEO and chairman Nick Pinchuk speaks on how America needs to arm itself with technical education in order to fight the economic war.

Business, education and government leaders attended and spoke at the event, focusing many of their comments on the need for today's technical education to give workers the skills they need to succeed in the workplace. They celebrated the birth of technical education in 1911 in Racine and its subsequent impact on the state and America.

"The skills needed may have changed over the years, but our mission and vision have remained the same – to link educational training to the workplace," said Gateway Technical College President Bryan Albrecht.



Gateway Technical College President Bryan Albrecht speaks on the importance of technical education, during the commemoration July 12 on the college's Racine Campus.

The first continuation schools – name predecessors to today's technical colleges – bridged the skills gap so these young people could meet the requirements of employers who desperately needed them. Continuation schools' early offerings included patternmaking, cabinet making, molding, cooking, dressmaking and drafting.

Through the years, more and more schools opened throughout the state eventually serving older students and adapting to the changing needs of Wisconsin businesses.

Eventually the schools began offering one- or two-year degree programs as well as program certificates. In 1993, Wisconsin's vocational, technical and adult education system was officially renamed the Wisconsin Technical College System.

More than half of all adults in Wisconsin have accessed technical colleges for education and training and about 400,000 state residents will attend technical colleges this year.

Gateway is prepared to meet the needs of the next generation and continues to lead the state and nation in offering educational programs in “green” and sustainable careers such as geoexchange technology, water resources, sustainable energy systems and wind torque technology, providing training opportunities for the jobs of tomorrow.

Multi-faceted celebration

Many events were held to celebrate the past 100 years of technical education, as well as providing a means for leaders to begin to formulate how it can continue to serve students, communities and the economy for the next 100 years.

Future First Summit

Several business and industry leaders held the summit to produce a white paper, focusing on the skills and framework needed for technical colleges to continue to provide quality educational training and advance our economy.

Many of the central themes of the discussion focused on the importance of creating or continuing strong partnerships between industry and education; the need to train workers at high skill standards; and changing the college success model to focus on whether students successfully enter a career being as important as obtaining a degree.

The summit was moderated by the Aspen Institute and the Association for Career and Technical Education. Results from this think tank will be published and used as a catalyst for continued technical college excellence.



Jan Bray, ACTE; Karen Elzey, Aspen Institute; Kelly Semrau, SC Johnson; and Dan Clancy, Wisconsin Technical College System; talk during a Future First Summit at Gateway Technical College's centennial commemoration on its Racine Campus. The summit produced a white paper with a focus on how to provide educational training for the next 100 years, setting a path for promise and educational opportunity for all Wisconsin citizens.

SC Johnson donation

In recognition of Gateway Technical College's 100th anniversary, SC Johnson donated \$100,000 to the Gateway Technical College Foundation, Inc. to support student scholarships.

The donation is being used to create an endowed scholarship fund for Gateway students enrolled in any associate degree program. Up to five, \$1,000 scholarships will be awarded annually.

Walk . . . to the future

Nearly 170 walkers went on the seven-block walk commemorating 100 years of technical education. It began at the site of the first permanent building for the Racine Vocational Institute.



Gateway Technical College and community members take part in a seven-block walk commemorating 100 years of technical education July 12 in Racine as part of the college's centennial celebration.



Highlights of the 42nd Annual Spring Conference & Trade Show March 10 & 11, 2011



**Plan Now to Attend the 43rd Annual Conference
“Building Wisconsin Strong” • March 8 & 9, 2012**



43rd Annual Technology Education Conference and Trade Show

Tentative Conference Overview

Wednesday, March 7th, 2012

7:30 p.m. Pre-registration

Thursday, March 8th, 2012

7:30 a.m. – 3:30 p.m. Conference Registration
 8:00 a.m. – 3:30 p.m. Trade Show
 8:55 a.m. – 9:05 a.m. General Welcome
 9:05 a.m. – 10:00 a.m. 1st General Session
 10:15 a.m. – 3:45 p.m. Concurrent Sessions
 4:00 p.m. – 5:00 p.m. WTEA Membership Meeting
 7:00 p.m. – 9:00 p.m. Awards Banquet
 9:00 p.m. (following banquet) President's Reception

Friday, March 9th, 2012

7:30 a.m. Conference Registration
 6:45 a.m. – 7:45 a.m. WTEA Breakfast
 7:45 a.m. – 8:15 a.m. General Welcome
 8:15 a.m. – 12:15 p.m. Project Showcase
 8:45 a.m. – 12:15 p.m. Concurrent Sessions and Vendor Demonstrations
 12:30 p.m. – 1:45 p.m. 2nd General Session/Luncheon
 2:00 p.m. – 3:00 p.m. Concurrent Sessions
 WTEA Board Meeting



Thursday Keynote Speaker:

Mike Weller, President,
 Welding North America -
 Miller Electric Mfg. Co.



Friday Keynote Speaker:

Paul Gabriel, Executive Director
 Wisconsin Technical College
 District Boards Association

Session Topics Include: Green Technologies, Video Editing, Electronic Game Design, Building Construction, Robotics, Invention and Innovation, Graphic Arts, Manufacturing at The High School Level, Projects Designed to Teach Concepts, Automotive Technologies, Alternate Energy Sources, Standards & Technology, Building High Mileage Vehicles, Project Lead the Way, Skills USA, Middle School Roundtable, Middle School Engineering, Communication Technologies, New Teacher Boot Camp, and much more!

WTEA Membership Application & 2012 Conference Registration Form

Membership year runs from September 1st through August 31st

Last Name _____ First Name _____

Home Phone (____) _____ Local Tech College District _____ # years teaching _____

School Dist. _____ School Name _____

School Address _____

School City _____ State _____ Zip _____ E-mail: _____

Check the appropriate boxes below and total amount due.

Membership Fees: ☐ 3 year membership - \$75.00 ☐ 1 year membership - \$30.00 \$ _____

EARLY BIRD SPECIAL - Registration fee includes free box lunch on Thursday

(Must be postmarked by December 23, 2011)

☐ \$105 members ☐ \$135 non-members \$ _____

Spring Conference Registration (After December 23, 2011):

☐ \$105 members ☐ \$135 non-members \$ _____

WTEA Awards Banquet (Thursday, March 8, 2012) ☐ \$25 \$ _____

☐ Bill my school district - purchase order is attached ☐ payment enclosed **Total \$** _____

Send completed form with payment or school purchase order to: **WTEA, P.O. Box 1312, Fond du Lac, WI 54936-1312**

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A Very Special Award

by Joe Ciontea, Knot Hole

Many years ago a wise old woodologist was supervising his students in the wood shop and noticed a student rummaging through the wood pile. He approached the student and asked what he was looking for. The student replied that the nice looking boards all had knot holes in them and he didn't want a knot hole in his project. He also didn't want the hassle of trimming the board to work around the problem. The woodologist explained that when properly used a knot hole can be a wonderful thing. The boards with knot holes were set aside and together they found a board for the student's project.

Some time later a member of the department announced his retirement. The woodologist went to the wood pile, found a board with a beautiful knot hole and used it to create a wall plaque. After sanding and finishing the woodologist went on a mission to collect items that represented the pending retiree's career in the shop. They were artfully arranged and fastened to the plaque. A brass plate was purchased and engraved with the retiree's name along with the proclamation Knot Hole Award. Thus began a new tradition in Fond du Lac. Since that date over thirty years ago, every time a member of the department retires a Knot Hole Award is made and presented to the retiree. Knot Holes (retirees) are invited back to join the current teachers for an annual Christmas party, biweekly breakfast "meetings" at the local diner, and to celebrate new members of the Knot Hole Gang.

As many of you know, last spring I made the decision to retire at the end of the school year. In June Mike Reichling and I were presented with our Knot Hole Awards at a banquet held in our honor. My Knot Hole is something I will cherish for many years. As I begin a new chapter in life, my Knot Hole will serve as a reminder of the thirty-five years I spent working with students in Fond du Lac.



Joe Ciontea and Mike Reichling retired from Fond du Lac this year and received their Knot Hole Awards.

CALL FOR PRESENTERS

2012 Conference Theme:

“Building Wisconsin Strong”

43rd Annual Spring Conference

March 8th & 9th, 2012 - Chula Vista Resort, Wisconsin Dells

Presenter form must be submitted by November 30, 2011 by mail, fax, website submission or e-mail.

Directly submit via online form at: <http://www.wtea-wis.org/bapresenter.html>

E-mail: johnston@mwt.net • Phone: 608-689-3033

ITEEA AWARD

Pulaski High School T & E Department Receives International Award

submitted by Harley Griesbach, Pulaski High School

A year after being named “Program of the Year” by the Wisconsin Technology Education Association (WTEA), the Technology and Engineering Department at Pulaski High School (PHS) was recently recognized as a “Program of Excellence” by the International Technology and Engineering Education Association (ITEEA). The PHS Technology and Engineering Department is comprised of four instructors: Harley Griesbach, John Pitzen, Tom Glinski, and Troy Hassman. Together, with the help of many local businesses, these four instructors have built a strong technology and engineering program for the students of PHS that is not only a leader in the state, but internationally as well. In conjunction with local businesses, the Technology and Engineering Department at PHS has been able to update equipment, facilities, curriculum, and machinery to provide the best possible experiences for the students of the Pulaski community. Of the 1,200 students in the high school, more than 800 students take TEE classes each year. These students are spread throughout more than thirty different courses. There are multiple agreements for transcribed and articulated credit for both two and four year post secondary institutions.

The PHS Technology and Engineering Education philosophy and goals are as follows:

- To provide general technical education for all students to participate as citizens in decision making processes and to understand the relationships between themselves and the increasingly complex world.
- To update and replace the present equipment with current and modern equipment to meet the needs of students and stay abreast of our ever changing society. Students should be able to adapt to the change in work applications, life styles, and avocations.
- To provide proficiency in marketable skills and knowledge, this will prepare individuals to exceed job standards for initial employment.
- To provide a basis for further study at the post-high school level at a technical school or college.
- To apply these skills for personal and professional use.

The keys to the success of the department are attributed to:

- Strong partnership team including area businesses
- Collaborative cooperation with partnership team and district administration
- Having broad scope of courses including traditional technology classes and engineering courses
- Outside promotion through:
 - School newspaper
 - Local/community newspaper
 - Journals and other publications
 - Wisconsin PLTW Models of Success
- Promotion within the school includes:
 - Pictures of past projects on the wall (ex. Woods Wall of Fame)
 - Gender equity presentation at the Middle School promoting courses
 - Mailing to all 8th grade students
 - Presentation for students and parents at the 8th grade scheduling night
 - Career and Technical Education Week large display in the Commons

The PHS Technology and Engineering Education department looks forward to continuing improvement and advancement of the program.



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ITEEA CONFERENCE



Conference Co-chair, Gary Gronquist, and a few of his "friends" point the way all week.



Local greetings from Jim Benson of Minnesota.



2011 Teacher Excellence Award winners.

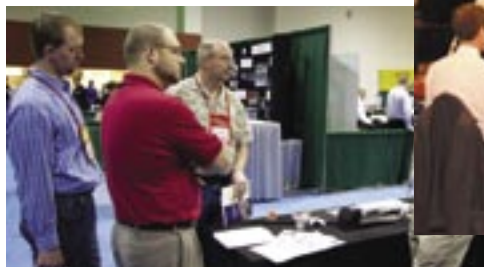


Sylvia Tiala, DTE, UW-Stout speaks with an attendee.



Attendees have an idea that something is about to happen.

Exhibits



Bud Johnson with Program Excellence winners from Pulaski High School.



ITEEA Membership Director, Maureen Wiley, addresses the President's Roundtable group.



The crowd is delighted.



TE Award recipients.



Thursday's International Luncheon.



Business & Industry Partnership Working with Brown Deer Middle School Plastics Education Program

by Jeff Thielke, Brown Deer Middle School

The Plastics Education program at Brown Deer Middle School is considered one of the premier programs in the state, at all public school levels. Plastics Education instructor Jeff Thielke credits much of the success of this program to the Industry-Education Partnerships and financial support from the Society of Plastics Engineers (Milwaukee Section and Education Foundation) and area Plastics Manufacturers. As budget cuts throughout our educational system eliminate activities and materials and move towards computer based classes, the trades and manufacturing areas are left behind. The Society of Plastics Engineers (SPE) and area Plastics Manufacturers have stepped forward, offering grants, donated materials, scholarships, awards for Plastics Education contests and technical support, stabilizing programs like the one in Brown Deer.

Over the years, SPE and area Plastics Manufacturers have supported Mr. Thielke's Plastics Education Pro-

grams with an estimated \$90,000.00 worth of materials, grants, equipment, field trips, molds and student awards. Without this type of support, there would be no Plastics Education for students.

This year brought a new and exciting addition to the already established Plastics Technology in Brown Deer, an Industrial Recycling Machine; with the combined effort from the Society of Plastics Engineers, ACS Group and Aqua Poly Equipment Company. Recycling was already an integral part of the Plastics Technology Program at Brown Deer Middle School. The addition of a Plastics "granulating" machine, to recycle used "Milk" containers (Polypropylene) and other thermoplastics, demonstrates conservation, reuses readily available materials, and educates students on the importance of recycling, with a practical application. The materials recycled through the use of the granulating machine are used in Injection, Rotational and Casting projects.

The following Plastics processes are integrated in the Program at Brown Deer Middle School: Plastics Technology Education

Exploring Plastics Education

6th Grade
Recycling

Introduction Plastics Technology

7th Grade

Platisol Casting
Mold Making
Slush Casting

Vacuum Forming
Injection Molding
Thermoforming

Dip Casting
Rotational Molding
Static Casting

Plastics Technology Systems

8th Grade

Mold Making
Plastics Machining
Plastics Testing

Reinforcing
Simple Casting
Blow Molding

Injection Molding
Vacuum Forming
Plastics Reginding

Plastics Engineering

100 milk containers “Reground” and ready for reuse

Brown Deer Middle School Technology Education



Front Row:

Amanda Bach, Shannon Murphy,
Jaclyn Hongsermeier, Carolyn Haney,
Sara Olk, Morgan Bembenek,
Elizabeth Leifer, Rebecca Gray.

Second Row:

Nate D'Amato, Christopher Herkowski,
Nicholas Colmen, Gerald Gilles,
James Bublitz, Shayla Kirby,
Braxton Clarke, Karissa Lyman.

Third Row:

Michael Weeden, Gina Wade,
Aaron Weichart, Shayna Key, Ryan Wisht,
Kendall Laurent, Ryan Roberts,
Robert Laughlin.

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Skills for Success Through T & E

by Marie Collins, Lake Geneva Schools

Students participating in Technology Education/Engineering (TE/E) classes have the opportunity to get a head start on much needed skills for success. A recent report by the Harvard Graduate School of Education (Feb 2011) indicates that “a high school education is no longer sufficient to secure a path to the middle class.” The report further stresses the importance of occupationally relevant skills and credentials by the time students reach their early twenties.

Many opportunities for students to achieve such skills and credentials are available through Career and Technical Education (CT/E) programs, and TE/E specifically. From Project Lead the Way to CISCO, students have the opportunity to earn certifications in a variety of areas. These certificates are nationally recognized and carry opportunities for pay advancements in the workforce.

Interestingly, the Harvard study goes on to show that students enrolled in occupational class work often increase their grades in their core curricular areas of reading, math and science, and have an easier transition from high school to work or college. In Northern European countries, they believe that academic skills are best developed through embedding them within complex workplace problems that students learn to solve through their CT/E curriculum, the study reports. “These educators also focus on helping students understand underlying theory – not only how things work, but why,” the report says. It goes on to say that the philosophy isn’t only about learning, but also “enabling young people to make a successful transition to working life.”

Wisconsin schools that have participated in the training for the new academic counseling model will be ready to provide students with a plan to achieve the most possible from high school utilizing the Career Pathways. The Model Guidance Program in Wisconsin will have students by the end of middle school developing an individualized pathway plan that will include career objectives that easily lead into programs of study and degree or certificate programs as students plan for their four years of study in high school.

TT/E program includes courses in Architecture Design, Automotive Technology, Audiovisual Technology, Carpentry/Construction, Electronics, Engineering, Manufacturing/Welding, Marketing, Nursing, and Printing and Graphics. The scope of each program varies from introductory to certificated.

Certification opportunities include national industry-based certificates, advanced standing credit and transcripted credit. Additionally, Career and Technical Service Organizations offer students the opportunity to participate in co-curricular activities that align and support their classroom experiences.

Advanced Standing agreements are in place between high schools and technical colleges that guarantee that students who complete the classes with an A or a B are awarded college credit through a transfer agreement. For a student to receive the actual credit, he or she must enroll at the technical college for at least one semester. In many cases, these credits will then transfer to a four-year college.

In Transcribed Credit classes, high school teachers actually teach the curriculum of the technical college. Students are dual enrolled at both their high school and a technical college and students earn transcripts from both institutions. Those credits, too, are readily transferable between the technical colleges and many four year schools.

In addition, through the Wisconsin Youth Options program, which allows high school students to enroll directly into college classes which do not have a comparable high school option, students are able to enroll in a plethora of classes and programs that make their high school years more meaningful toward post-secondary education and/or the workforce.

It is beneficial to students to take advantage of these opportunities. Students can combine the Transcribed, Youth Options and Advanced Standing credit opportunities to enter post-secondary degree programs with a semester or more of earned credits. Adding Advanced Placement (AP) classes can take students to a year or more of credits. During difficult economic times, college credits earned while still in high school as well as the availability of technical college courses, can provide support for students as they work on a certificate, an associate degree, or plan for a four year degree.

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ANNOUNCEMENTS

Solve for Tomorrow Contest

Samsung and USA TODAY are partnering together again this year for Samsung's Solve for Tomorrow Contest. This contest is open to all 6th-12th grade teachers and gives your students the opportunity to win \$1million in technology! Samsung is asking teachers to submit an online application explaining "How can you use STEM to improve the environment in your community?" beginning on 9/22/11. Your application will then be submitted for judging in the following rounds:

1st Round: 25 respondents will be selected to receive a Samsung camcorder and Adobe video editing software to create videos responding to the question, "How can you use STEM to improve the environment in your community?"

2nd Round: 15 videos will be selected, all of whom will receive technology prizes.

3rd Round: 10 videos (no more than one per school) will be featured on the website and open to consumer vot-

ing for the Samsung People's Choice award. An additional four schools will be selected to win a grand prize by our judges panel.

Final Round: 5 finalists will be invited to an event in Washington D.C. in April 2012.

Educators will receive the following:

- Link to the "Samsung Solve for Tomorrow Contest"
- Access to the USA TODAY Electronic Edition for all of your students to research STEM topics.

Requirements:

- Teach in grades 6-12.
- Willing to sign the USA TODAY Electronic Edition confirmation form at the end of the program. (Please note this is a strict requirement).

To sign up for this contest, click on the following link and submit your information:

<http://usatodayeducate.com/wordpress/index.php/samsung-sign-up-form/>.

Will the Common Core Standards Reach Technology and Engineering Courses?

by Betty Pfaff, ABD, Viterbo University

As educators in Wisconsin you are aware that the first two content areas reviewed for the Common Core were English Language Arts and Mathematics. Wisconsin approved these standards in June 2010. Currently work is being done on the social studies and science standards. They are slated to be done by next spring, but might be completed as early as this fall. The question for Technology and Engineering teachers is, "Will this come to us at some point?" The literature included on the official site states "and other technical areas." The Common Core is not expected at this time to move beyond the four core areas of math, science, social studies, and English. Our research has indicated that the "other technical areas" refers to keyboarding and other technologies related to writing for the English Language Arts section and not Technology and Engineering Teachers' content. For more information on this topic go to: <http://www.corestandards.org/>.

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Climate Change and Sustainable Transportation Education in Wisconsin's K-12 Schools

by Sara Windjue, Energy Education Specialist

Beginning in early 2011, the Wisconsin K-12 Energy Education Program (KEEP) has been partnering with Cool Choices to support climate change and sustainable transportation education in Wisconsin's K-12 schools. Cool Choices is a relatively new Wisconsin-based non-profit whose core priority is to facilitate change. Whether related to recycling, energy usage, or transportation, Cool Choices helps individuals, communities and small businesses implement environmentally sustainable actions that reduce greenhouse gas emissions.

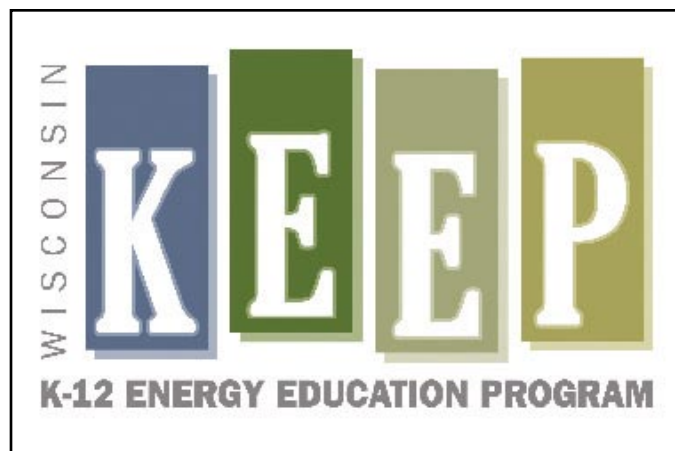
Cool Choices' programs are based on decades of work in a variety of fields ranging from social marketing to behavioral economics. The organization works in partnership with local entities—businesses, schools, etc.—to make change happen. The partnership with Cool Choices has allowed KEEP to begin taking steps toward improving teacher understanding of climate change and sustainable transportation, facilitating school projects to reduce carbon emissions, and developing resources to help teachers teach students about these important issues.

In May 2011, KEEP held its first climate change and sustainable transportation workshop for teachers. More teachers applied to attend the workshop than the facilities could support, and participants were chosen based on a combination of experience, subjects taught, and grade level. At the workshop, KEEP provided speakers in the subject areas of climate change science, sustainable transportation and community design, and human behavior toward climate change. This workshop also served as an opportunity for teachers to review draft versions of KEEP's new climate change and sustainable transportation frameworks. These frameworks are intended to con-

tain the vital information that all students should know before graduating from high school. In their final form, they will be web-based resources where teachers can access the information, and find additional information, teaching resources, and activities related to each subject.

KEEP's partnership with Cool Choices has also resulted in a grant opportunity for schools to implement student-driven projects to reduce their school's greenhouse gas emissions. Of the applicants, Waunakee High School in Waunakee, WI was selected to receive \$5,000 to implement a program encouraging sustainable transportation choices at the high school. Science teachers Betsy Ippolito and Karen Olsen are spearheading the effort, and will be working with students during the 2011/2012 school year to further develop the project. The goal is to make walking, biking, carpooling, and taking the bus viable and attractive options for getting to school. Ultimately, the team hopes to facilitate long-term behavior change in the school's students and staff.

KEEP is very excited to continue its partnership with Cool Choices to bring quality climate change and sustainable transportation resources to Wisconsin's K-12 schools. As the web-based frameworks and digital library progress, KEEP hopes to see more teachers and schools take on these subjects and get involved in working toward positive change. If you would like to receive more information on KEEP's climate change and sustainable transportation efforts, please call 715.346.2746 or send an email to jlane@uwsp.edu.



Oregon High School Technology and Engineering

by Ryan Stace, Oregon High School

The Oregon High School Technology and Engineering department is comprised of five members including long time department chair Bob Prah, Chris Prah, Erik Haakenson, Ned Lease and Ryan Stace. Bob has been very committed to the school and has put in thirty-five years of teaching within the district. Bob has taught every subject from metals and welding, to woods and drafting. Chris Prah has been an instructor at Oregon for five years and is the home construction program leader. Erik Haakenson has been involved for the past three years and was the driving force behind Oregon adopting the SkillsUSA program allowing technology education students a chance to showcase their skills. Ned Lease, a recent addition to the department, heads up the automotive program. Ryan Stace has taken over the reins in the home woodworking courses.

The Oregon High School Technology and Engineering department has a capstone course that is the Home Construction project. The project is entering its 11th year and is looking to have another successful year. Chris Prah is entering his third year as the leader of this program. This course takes senior and junior students and provides them with the opportunity to build a house from the sill plates to the wood floors. Oregon was the first school in Dane county to build a house in its entirety for Habitat for Humanity. The home construction program has helped over 150 students over the years and has been a major focal point within the community of Oregon. A number of the school houses have been purchased by staff within the school district.

Oregon also offers a wide variety of dual credit courses which allow the students to earn both high school credit and college credit from MATC. These courses include Machine Tool, Welding and P.C. Servicing. These courses allow the students interested in technology to take a more hands on approach to learning and equivalent to advanced placement courses offered in other subject areas. These type of course seem to be the future of the Oregon Technology and Engineering department as they are constantly working to help the students prepare for life after high school.

Another area where the Technology Education department is involved is with classes that allow a Technology education teacher to team teach with another department within the school. Oregon offers an Applied Mathematics

course that shows students the practicality of mathematics and how it translates into real word applications. The instructors work together to teach volume and area, then head into the shop area and pour concrete to test the calculations for accuracy. Principles of Engineering is another offering where students learn the science behind theories common in the engineering field. A science teacher will teach the students the physics and a technology instructor will teach the building techniques.

The automotive program at Oregon is as solid as the rest of the department. The program and its instructors have worked hard and have earned the NATEF Certification. This very prestigious standard is something that the instructors past and present are all very proud to have.

Oregon has recently added the SkillsUSA program thanks to newcomer Erik Haakenson. Oregon competed in the SkillsUSA competitions where the students had overwhelming success. The young program took four students to the state competition, two competed in Automotive and two competed in Architectural Drafting. The students worked extremely hard and won both competitions at the state level earning them a spot at the national competition. At nationals the student competing in Automotive took home 13th place, while the student in Architectural Drafting came back to Wisconsin with a 24th place finish.



Attending the National SkillsUSA Competition in 2011 were Nick Schuch (Architectural Drafting), Eril Haakenson (Instructor), and Louis Hardin (Automotive).

ARTICLE

The Wisconsin Center for Environmental Education Celebrates 20 Years

In 1990, the Wisconsin legislature created the Wisconsin Center for Environmental Education (WCEE) and the Wisconsin Environmental Education Board (WEEB), both housed within the College of Natural Resources at the University of Wisconsin-Stevens Point. Partnerships with educators, agencies, organizations, individuals, and learning institutions over the past 20 years helped the WCEE grow into a leading environmental education (EE) organization in the state and nation. The WCEE currently has 20 staff working in 10 program areas, including the Wisconsin K-12 Energy Education Program (KEEP) and the K-12 Forestry Education Program (LEAF). This year, the WCEE is celebrating the past 20 years of partnerships that have led to Wisconsin being at the forefront of environmental education in the nation. The WCEE congratulates all environmental education stakeholders on their successes. We are thankful for your support of EE and the WCEE.

On Saturday, November 5th the WCEE will host a celebratory banquet and it wouldn't be complete without you! Join WCEE staff, alumni, friends, and partners for



an evening of entertainment and local food. To register, visit www.uwsp.edu/cnr/wcee/banquet.htm.

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Community Colleges and Industry Lighting the Way

President Barack Obama held a news conference in June outlining a series of initiatives to strengthen today's workforce by having workers possess industry recognized skills to compete in a world economy. He suggested these skills and training could be offered through partnerships forged between industry and technical colleges such as Gateway Technical College (Kenosha, Wis.) and Shoreline Community College (Wash.).

Gateway, Shoreline and Snap-on Incorporated are members of a nationally recognized education and training partnership called the National Coalition of Certification Centers (NC3) which addresses the president's focus on industry skill certification. NC3 Trustees who attended the exclusive Obama press conference were Gateway Technical College President Bryan Albrecht, Snap-on Incorporated CEO Nicholas Pinchuk, Executive Director of the Association of Continuing Technical Education (ACTE) Jan Bray, and Shoreline Community College (WA) President Lee Lambert.

"Lighting a spark is what community colleges can do, that is what learning a new skill and training can do," Obama said. "We have to light more sparks across America. Doing so will not only make a difference in the future of individuals, but in America's future, as well."

At the news conference, President Obama announced a major expansion of Skills for America's Future, an industry-led initiative to dramatically improve industry partnerships with community colleges and build a nationwide network to maximize workforce development strategies, job training programs and job placements.

"Last year, we launched Skills for America's Future to bring together companies and community colleges around a simple idea: making it easier for workers to gain new skills will make America more competitive in the global economy," said President Obama. "Today, we are announcing a number of partnerships that will help us make this a reality, by opening doors to new jobs for workers, and helping employers find the trained people they need to compete against companies around the world."

Pinchuk has been appointed to the Skills For Amer-

ica's Future Board, and Gateway Technical College and Shoreline Community College are one of forty Snap-on Certification Centers. Many of these centers are members of the National Coalition of Certification Centers (NC3) which partners with industry leaders such as Snap-on Inc., and associations such as the ACTE.

NC3 delivers industry certification programs in transportation, aviation, energy and manufacturing. The President is committed to the important role community and technical colleges play in developing industry training partnerships like the Snap-on partnerships with NC3 schools across the country.

NC3 Chair Albrecht said: "It is an honor to be invited to participate with Snap-on and NC3 trustees in a presidential event such as this. Snap-on continues to serve as a global partner of NC3 and represents schools and professionals in a changing automotive industry."

NC3 Vice-Chair Lambert said Shoreline is working to establish industry, government and education partnerships that can help students.

"When we reach out to companies like Boeing, our automotive partners, Snap-on Inc. and Amgen; to groups such as the National Association of Manufacturers, the Puget Sound Automobile Dealers and our many advisory councils; to our fellow institutions of higher education, it is so that we can better meet the needs of our students," Lambert said. "President Obama's words today reinforce the importance of those efforts."

As one of the key partners of Skills for America's Future, an initiative of the Aspen Institute that was launched by the Obama Administration last year, The Manufacturing Institute, the affiliated non-profit of the National Association of Manufacturers (NAM), announced an effort to help provide 500,000 community college students with industry-recognized credentials that will help them get secure jobs in the manufacturing sector. Several other partners of Skills for America's Future and The Manufacturing Institute will also help enhance these efforts through their own initiatives to bolster our nation's manufacturing workforce.

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HISTORY

**The year is 1911 - - One hundred years ago.
What a difference a century makes!**



Here are some statistics for the Year 1911.

Fuel for this car was sold in drug stores only.
The average life expectancy for men was 47 years.
Only 14 percent of the homes had a bathtub.
Only 8 percent of the homes had a telephone.
There were 8,000 cars and 144 miles of paved roads.
The maximum speed limit in most cities was 10 mph.
The tallest structure in the world was the Eiffel Tower.
The average US wage in 1910 was 22 cents per hour.
The average US worker made between \$200 and \$400 per year. A competent accountant could expect to earn \$2000 per year, a dentist \$2,500 per year, a veterinarian between \$1,500 and \$4,000 per year, and a mechanical engineer about \$5,000 per year.
More than 95 percent of all births took place at home.
Ninety percent of all Doctors had no college education. Instead, they attended so-called medical schools, many of which were condemned in the press and the government as “substandard.”
Sugar cost four cents a pound.
Eggs were fourteen cents a dozen.
Coffee was fifteen cents a pound.
Most women only washed their hair once a month, and used Borax or egg yolks for shampoo.
Canada passed a law that prohibited poor people from entering into their country for any reason.

The Five leading causes of death were:

1. Pneumonia and influenza
2. Tuberculosis
3. Diarrhea
4. Heart disease
5. Stroke

The American flag had 45 stars.

The population of Las Vegas, Nevada, was only 30.
Crossword puzzles, canned beer, and iced tea hadn't been invented yet.

There was neither a Mother's Day nor a Father's Day.
Two out of every 10 adults couldn't read or write and only 6 percent of all Americans had graduated from high school.

Marijuana, heroin, and morphine were all available over the counter at the local corner drugstores. Back then pharmacists said, “Heroin clears the complexion, gives buoyancy to the mind, regulates the stomach and bowels, and is, in fact, a perfect guardian of health!” (Shocking?)

Eighteen percent of households had at least one full-time servant or domestic help.

There were about 230 reported murders in the entire USA.

Try to imagine what it may be like in another 100 years.

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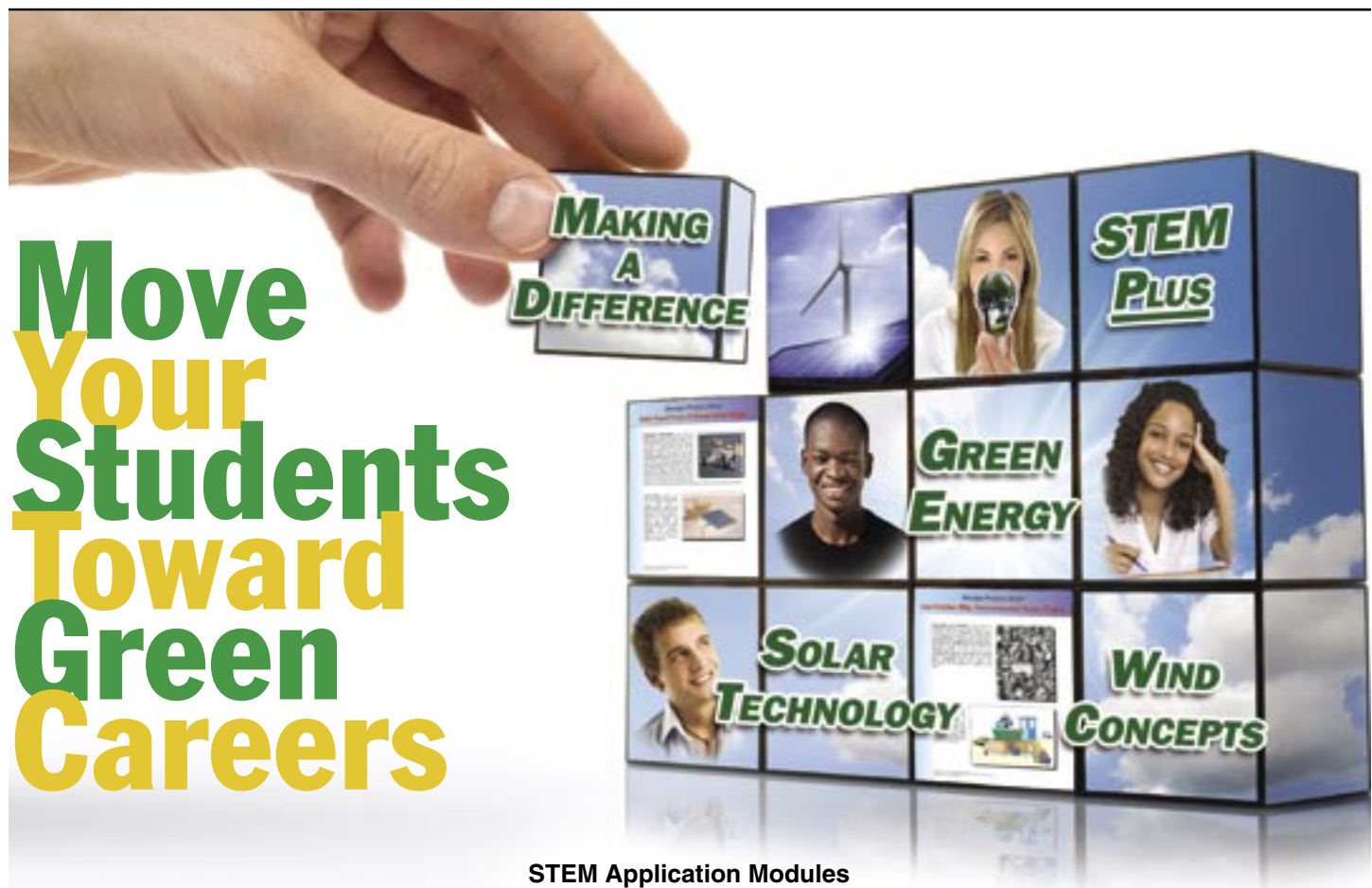
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