

Help Your Students Find a Future SkillsUSA

The National Federation of Independent Business recently cited the NUMBER ONE problem of its members:

"The shortage of skilled, trained workers."

'Deplorable' skills worry manufacturers

By HOWARD HERRNSTADT

MONTVILLE TWP. — Manufacturing faces severe shortages of skilled personnel, now and in the future.

That was the conclusion of presenters at the National Conference on Manufacturing Technology Education that took place Aug. 25 at Rustic Hills Country Club

Paul Koontz, president of Denford Inc. in Medina, a manifacturer of computerized machine education systems, opened, the conference by explaining the motivation for it. The idea arose July 2, after a recent Precision Machining Competition to design computer programs to control the machining of parts. The results of the competition

The results of the competition were "deplorable," Knoutz said. The blue-ribbon winner received a score only slightly higher than 50 percent. Many participants could do little or nothing in the hour and 20 minutes allotted to fulfill the competition task, designing two metal parts on a computer, using industry softwere be said.

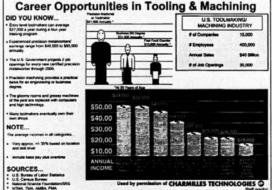
The computerized designs enable a computer-controlled lathe or milling machine to manufacture the part.

The annual event is sponsored by SkillsUSA-VICA, a national orgarization of students in vocational programs in high schools and junior colleges.

The "decline in manufacturing's entry-level work force" could be seen in these results, Koontz said.

"Very few companies today offer machinist or tool-making appenticeships," he noted. Technical schools do a good job, but do not fill the gap between the empty job slots and available personnel, he added.

An educator, writer and publisher of technical books, Steve Krar, president of Kelmar Associates, Ontario, Canada, added, "Each one of us has to share the



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The conference presented some potential solutions to the problem of inadequate industrial technology training.

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The Charitable Venture Foundation of Albany, N.Y., which funds the program, has made a 10year commitment of a minimum of \$2 million a year in order to increase the number of applicants

Eric Gearhart
 SkillsUSA-VICA Senior Development Officer

neering colleges, Oakey said.
"We have a need for more engineers and fewer are coming out,"
of two- and four-year colleges, he

The program is introducing "a middle and high school pre-engineering curriculum designed to attract and prepare students to enter engineering or engineering technology careers," he said.

It is now in 105 schools, mostly in suburban districts with a few in rural and inner-city districts. There are five district courses, each lasting a full academic year, Society of Manufacturing Engineers, is taking a range of actions, to address the shortage of technical personnel.

cal personner.
The society, headquartered in Dearborn, Mich., began in 1986 to 'identify those knowledge gaps' resulting from inadequate engineering curricula, said Mark Stratton, manager of manufacturing engineering education for the group.

In 1908 and '99 the society made a total of 16 grants to colleges ranging from \$50 to \$300,000. 'The grants focus on industry-driven competency gaps," Stratton said.

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These gaps include areas of professional competency such as written and oral communication and teamwork, as well as technical skills such as quality control and product design, he said.

The society also has long range goals that include "lifelong learning and career development" for its members and delivering "the message to K. 12 teachers, students parents and guidance counselon that manufacturing is important and that it presents challenging, rewarding and desirable careers. Stratton explained.

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The society also seeks to involve its membership in K-12 education projects, Stratton said.

Manufacturing jobs and vocational education have traditionally been thought of as "dirty dumb and dangerous," Ele-Gearhart, senior development officer of SkillsUSA-VICA said, But this image should be changed to one that depicts industry as "clean, safe and high-tech," be said

"There has never been a better time to have a skilled trade than there is today. It's a seller's market."

Sixty-four percent of employers say most high school graduates do **not** have the skills necessary to succeed in the workplace – skills such as teamwork, time management, communication and interpersonal skills.

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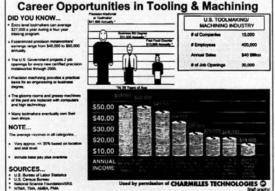
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Educators interested in Project
Lead the Way can learn about it on
said.

Women interested in technology careers can visit the site at
www.matodesk.com/dyf, Oads,
said. The site, designed and
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"There has never been a better time to have a skilled trade than there is today. It's a seller's market."

Within the next year skilled individuals will make up 65 percent of job market. Demand for skilled labor will triple by 2006.

Workers with the skills employers are desperate for are highly sought, and, most often, highly paid.

SkillsUSA helps students obtain and develop the skills they'll need to succeed.

What does SkillsUSA Offer to Students?

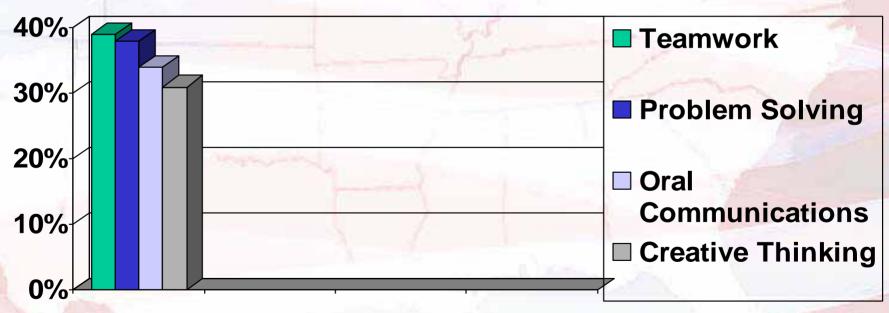
SkillsUSA offers students much more than a campus – based leadership activity or a chance to enter a competition.

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SkillsUSA teaches what companies want workers to learn

Percentage of companies planning to teach the following key skills to employees in the next three years:



Source: Anthony P. Carneveale, Leila J. Gainer, and Ann Meltzer. *Workplace Basics: The Skills Employers Want* (American Society for Training and Development and U.S. Dept. of Labor), 1989, p. 8.

What is SkillsUSA?



Founded in 1965 as "The Vocational Industrial Clubs of America" (VICA) - became "SkillsUSA" in 1999.

What is SkillsUSA?



Mission:

To help our student members become world-class workers and responsible American citizens

SkillsUSA is a partnership of students, teachers and industry working together to ensure that America has a skilled work force. We help each student excel.

What is SkillsUSA?



Core Values:

Educated, Prepared, Involved, Connected, Skilled, Respected, Motivated



- A professional organization for students in technical, skilled and service occupations, including health occupations
- An association with more than 286,000 members in all 50 states and three U.S. territories
- Offers leadership, citizenship, and character development programs and activities









SkillsUSA offers students:

- Enrollment and Retention
- Cutting-edge skills training
- Employability skills development of students (teamwork, leadership, goalsetting, etc.)
- Chances for competition in their skill area
- Opportunities for business partnerships on campus, industry contacts, jobs, scholarships
- Fun, travel, and excitement
- Social outlets with their peers and community
- The opportunity to be the best that they can be



The SkillsUSA Advantage:

- SkillsUSA involvement enhances technical education programs
- SkillsUSA activities will develop the skills and attitudes that will set your child apart:
 - -Positive outlook
 - -Self-esteem
 - -Desire to excel in work and life
 - Ability to work with others
 - -Conflict resolution
 - -Much, much more







The SkillsUSA Advantage:

- Gives students a head start for college and the workforce
- SkillsUSA works directly with business and industry so students get the skills employers want.
- Leadership training is key part of SkillsUSA experience.
- Students put leadership programs into practice through community service.
- Students design and run the program.





- Professional Development
- Community Service
- Social Activities
- Ways and Means
- Public Relations
- Employment (school-to-work programs)
- SkillsUSA Championships



-Award-winning curriculum:
The Professional Development
Program (PDP) and Total
Quality Curriculum (TQC)

New College level employability skills course CSEP

-70 employability skills taught, including communications skills, ethics, conflict resolution, time management, goal-setting, and more...



The PDP On Line:



way to integrate powerful online resources with your own curriculum and goals. A flexible way to help your students build the careersenhancement skills they'll need to succeed.



The PDP On Line:



PDPONLINE

Go where learning gets REAL



A color-coded chart instant shows the social for each student in the class, which advites are in progress, are awaring grading, or are consider.



A color-coaled chart intermy shows the student which continues he or die has social submitted for grading, or completed. Eclorer text gives translated society information and in click sokes the student to the desired activity.



Studients program skills formula convities ranging from prophics bound to easily and short amount to survey and que, to reporting, interviewing

A PROFESSIONAL DEVELOPMENT PROGRAM THAT GIVES ...

- Your students the skills, awareness and attitudes they need to move successfully from school to work.
- Business and industry the employees they need, with technical skills and the professional qualities and traits that make for success on the job.
- . Your community the motivated, involved and ethical citizens it needs.

PDP Online is endorsed by over two dozen corporations and educational institutions and developed by educational professionals nationwide.

A COMPLETE CURRICULUM ...

- Personal awareness _ goal setting _ community service _ customer service _ job interviewing _ career knowledge _ communication skills _ teamwork _ government awareness _ ethics _ conflict resolution _ portfolio development
- government awareness = etnics = contact resolution = portiono developini
 mentoring and networking
- Skills are introduced, developed and reinforced over seven levels.

... THAT'S COMPLETELY CUSTOMIZABLE.

- Students can complete PDP Online on their own or in class.
 Supplemental classroom activity ideas are provided throughout.
- Integrate it into an existing curriculum or use it as a separate program.
 Eliminate or re-order activities.
- · Proceed at your own pace and on your own schedule.

PDP ONLINE, TOTALLY ONLINE ...

PDP Online's centralized database of all enrolled students and all student work enables:

- . Students to enroll, complete and submit activities, and receive feedback -- all online!
- Teachers to review, record and respond to student work all online!
- · Administrators to track total enrollments and course completions all online!

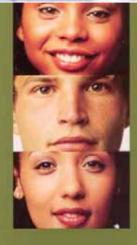
... TOTALLY REAL-WORLD.

- PDP Online lets you and your students work wherever you have Internet access.
- Multimedia, practical activities make PDP Online a course that students want to complete.
- Administrators have hard data to justify expenditures and demonstrate program value.

Go where you can learn more and receive a FREE Preview CD. Visit www.skillsusa.org/pdponline.html or call 1-800-321-8422.



>CareerSafe<



How can you save a life?



StartSafe.

StaySafe.

CareerSafe.

Career Safe

Youth Safety Awareness Training at www.CareerSafeOnline.com

The CareerSafe Online Course is the first of its kind. It is recognized by the safety serviceness program. It is a web-based, interactive, Y2Y
(Youth-to-Youth) program that addresses the high priority safety training needs of young workers. The CareerSafe Online Course consists of 10 interactive modules covering the common safety concerns in the workplace, with a simple assessment at the end of each lesson.

Upon successful completion of the CareerSafe Online Course, students:

Develop a safety mindset and learn valuable skills for their future.

Receive a wallet card from the OSHA Education Center at TEEX that

- demonstrates to employers they have received the basic safety training needed in the workplace.
- Become more employable, gaining a competitive advantage in the

- The Modules
 Start Safe, Stay Safe, (A Safety Philosophy)
- Preventing Falls
 Personal Protective Equipment (PPE)
 Bloodborne Pathogens
 Electrical Safety
- Machine Guarding
- Hazard Communication
- Preventing Workplace Violence Emergency Action

\$12 per student

A 55 shaneton is made as the sainties A touth Descripment Foundation for every student the completes the program.



Visit www.CareerSafeOnline.com for more information

TEXAS ENGINEERING EXTENSION SERVICE



Workplace Readiness

Students prepare using the new study guide.



Skills Assessment Study Guide





Recognition by Industry

The logo marks of up to 30 companies and organizations appear on the

certificate.

Workplace Readiness

CERTIFICATION

The following companies recognize the importance of assessment and workplace standards and commend this individual for his or her achievement in passing the National Workplace Readiness Assessment:









































































- Professional Development
- Community Service
- Social Activities
- Ways and Means
- Public Relations
- Employment (school-to-work programs)
- SkillsUSA Championships



-Instills lifetime commitment to community service

-Promotes goodwill and understanding among all segments of a community

-Teaches the importance of teamwork

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-Increase cooperation in the school and community

-Improve self-esteem by providing healthy outlets

-Students feel like they're part of a team, like they belong

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-Chapter fund-raising activities to support the chapter's yearly projects

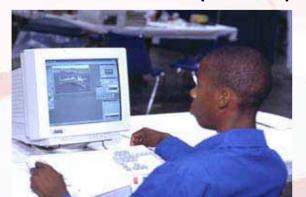
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-Help change public misconceptions and stereotypes of technical education students and programs

-Make the public aware of the value of strong technical education programs in our school systems

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-Students offered job shadowing, mentoring, apprenticeship opportunities

 Increased student awareness of career options, quality job practices and attitudes

-Increased opportunities for employer contact and eventual employment

- Professional Development
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-The premiere showcase of career and technical education.

-The greatest commitment of corporate volunteerism on a single day anywhere in America.







- National SkillsUSA Championships held annually in Kansas City, MO. during SkillsUSA's national conference
- 4,850 state winners compete in over 84 occupational and leadership contests
- Requires more than 525,000 square feet of floor space over nine football fields!
- Largest single day of corporate volunteerism in America.
 The \$30 million SkillsUSA Championships
- The result of a direct interaction between industry and education; More than 1,700 technical experts from labor and industry design and judge the contests



Skilled and Schooled

- Combination of technical and academic training provides firm foundation for future.
- SkillsUSA involvement enhances both through professional development and employability skills training.
- Students from the SkillsUSA program are among the most sought after workers in America today.





Help your child succeed

- Ask local High School, Technical College, Community College, University, if they have a SkillsUSA chapter.
- Encourage your choices of career and technical education; know that it's a smart choice.
- Encourage your students to join SkillsUSA.

Get involved in the program; get to know your

SkillsUSA advisors





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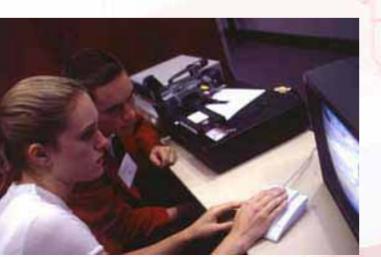
SkillsUSA advisors





Help your students succeed

- Discuss the value of career and technical education with your students. Show how it relates to real world experiences.
- Help students have pride in their trade area and educational choices.
- Encourage your students to continue learning.







Since our inception, we've helped train over eight million workers to develop the skills necessary to succeed, at work and in life.

We hope your students will join us!

For More Information In Louisiana:

SkillsUSA Louisiana:

Phone: (225) 492-2249

Cell: (225) 603-5664

Web: http://Laskillsusa.org

Your local SkillsUSA Chapter:

INSERT YOUR CONTACT INFORMATION HERE!

For More Information:

National SkillsUSA:

Phone: (703) 777-8810

Web: www.skillsusa.org

Your local SkillsUSA Chapter:

INSERT YOUR CONTACT INFORMATION HERE!



SkillsUSA Louisiana