

## Student Day Planned for METALFORM'03 in Chicago

Are you looking for that perfect field trip for your students? One that combines a unique learning experience in an energetic environment with just enough fun? Then make plans now to bring your students and fellow instructors to Student Day at METALFORM'03 on Wednesday, March 26 at the Stephens Convention Center in Rosemont (Chicago), IL. Your students will benefit by seeing the latest metalforming and metal fabricating technology and learning about the industry's many good careers.

METALFORM, held annually, is the largest metalforming and fabricat-



ing industry trade show in the country. More than 200 exhibitors are expected to fill about 100,000 square feet of floor space. Student Day at METALFORM'02 attracted nearly 300 students and 30 instructors. Students

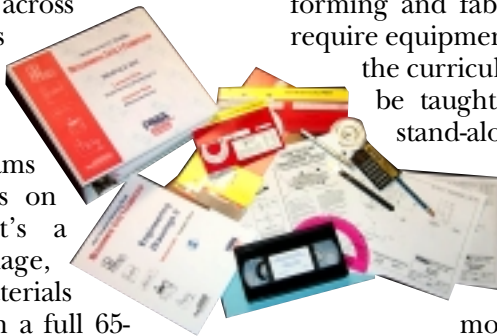
and instructors learned about industry career opportunities during an orientation session delivered by members of PMA's Training & Education Committee. The orientation includes an overview of the industry, description of career path information and data, and viewing of an industry video designed specifically for students. After the orientation, the students tour the exhibit floor to see the "industry in action." A follow-up lesson plan and quiz reinforces what the students learned at the show. For registration information, call PMAEF at 216-901-8800 or e-mail [pmaef@pma.org](mailto:pmaef@pma.org).

## MF LEVEL I CURRICULUM IMPLEMENTED BY SCHOOLS

PMAEF's Metalforming Level I Curriculum has been implemented in school programs across the country. This curriculum covers

basic skills for manufacturing technology programs with an emphasis on metalforming. It's a complete package, including all materials necessary to teach a full 65-hour course. That's right—you'll receive student workbooks and study guides, instructor guides with lesson outlines, student exercises and overhead transparencies, pre- and post-program examinations, 13 video cassettes, sample parts and prints, precision rules and protractors, and precision measurement simulators.

It is based on national skill standards, with nine modules and 13 competency-based lessons covering introduction to metals, basic math, engineering drawings, quality, measuring



and measurement devices, job planning, industrial safety, and basic metalforming and fabrication. It does not require equipment operation. Because

the curriculum is modular, it can be taught in its entirety as a stand-alone program, or specific lessons may be used to support broader manufacturing technology programs. To learn more, contact PMAEF or visit [www.pmaef.org](http://www.pmaef.org).

## CAREER WEBSITES

Check out our website at [www.pmaef.org](http://www.pmaef.org) and while you're there go over to [www.gettech.org](http://www.gettech.org), GetTech's site created through a partnership of the National Association of Manufacturers (NAM) and the U.S. Department of Commerce. Both sites provide a wealth of career information for students, teachers, and parents.

## YOU'RE A WINNER!

If your school provides exemplary education and training for knowledge and skills essential in the metalforming industry, here's your chance to shine. Enter the competition for PMAEF's Clips & Clamps Industries Educational Institution Award, a PMA Award of Excellence. The winning school will gain recognition for its training efforts and a \$3,000 award to be used to further metalforming training. For an entry form, contact PMAEF. Hurry—the deadline is November 22.



**WE'RE GOING  
ELECTRONIC  
COME ALONG WITH US**

Starting with the next issue of *AtSchool*, we're going electronic. The new e-mail newsletter will deliver current information, more frequently. Simply send us an e-mail at [pmaef@pma.org](mailto:pmaef@pma.org) with *AtSchool* on the subject line. Make sure to include your name, school or organization in the body of the text. Hope to hear from you!

## TRAINING OPENS THE DOOR TO CAREER OPPORTUNITIES

This theme for the PMAEF Student Ambassador Program, has become reality for the two people featured in this issue of *At School*.



At Select International Corporation in Dayton, OH, Shannon Tangeman has taken advantage of training opportunities to become a Tooling Support Helper. Shannon graduated from Springfield Clark County JVS in Precision Machining and completed various courses in Tool & Die Tech at Sinclair Community College.

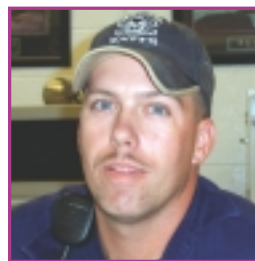
She started at the company in April 1996 as a temporary production worker and was hired full-time in the die repair department. She has continued learning at Sinclair by taking welding and tool design. Shannon plans on taking every course she can to learn as much as possible about tooling and machining.

When Joe Merritt hired on at Spartanburg Steel Products, Spartanburg SC, he had no plans of having a career in the metal stamping business. He just needed a job. His first assignment was in the production area where he ran a press. But he quickly decided that he wanted to go back to school and expand his knowledge. After considering careers as a surgical tech and in computers, he decided to go back to

Spartanburg Tech and work toward a degree in Machine Tool Technology. The company was in need of tool and die makers, and Joe saw this as an excellent opportunity.

Though he did not consider himself a strong math student, he found that he was really good at practical math. After only two semesters at Tech he was able to hire into the Tool and Die Department as a trainee and actually put to use what he was learning. Joe is meticulous and organized, with good eye-hand coordination, good spatial vision, and the desire to see the results of a successful final product—all attributes of a successful machinist.

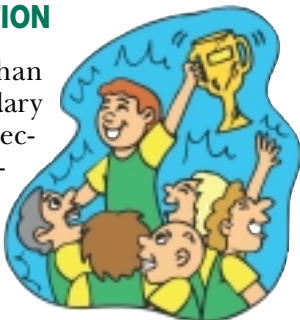
He graduated with an Associate Degree in Machine Tool Technology after several years of going to school while working full-time. Joe works as a volunteer fire fighter, and he said that he often suggests to high school kids to consider a career in machining. Joe says that in tool & die you



never stop learning and no two days are ever the same. More important than the good pay, he has found a job that he likes and it has even broadened his personal life. Now he can tackle any job at home from car repair to carpentry. And he is not through learning yet!

## STUDENTS SHOWCASE SKILLS AT NATIONAL COMPETITION

More than 4,000 secondary and post-secondary students from across the country competed in 73 skill contests at the SkillsUSA Championships in Kansas City, MO on June 27. These students, all regional or state champions in their areas of study, participated in one of the disciplines, including precision machining and CAD-CAM applications. The PMA Educational Foundation was one of the many corporate sponsors. Metal Technology events included Precision Machining Technology, Automated Manufacturing Technology, Sheet Metal, Welding, and Industrial Maintenance Technology. For information on next year's competition, log on to [www.skillsusa.org](http://www.skillsusa.org).



## SURVEY RESULTS ARE IN HOW CAN YOU HELP STUDENTS PREPARE FOR CAREERS?

What's important to employers? Sixty-nine percent of respondents to The National Association of Manufacturer's Skills Gap report indicated that inadequate basic employability skills (attendance, timeliness, work ethic, etc.) were the reason they rejected job applicants, and 59 percent said their current hourly workers lacked these skills. Understanding and adapting to the norms of the workplace are important to long-term success in the labor market.

Another survey of more than 800 high school juniors and seniors nationwide coordinated by the Ferris State University Career Institute for Education and Workforce Development shows that most teenagers are receiving little to no career guidance outside the home and are not pursuing appropriate educational plans for real world career opportunities and business needs. "High school students are making critical decisions about

their career paths in a vacuum, unaware of the broad array of educational and employment opportunities available to them," said William Sederburg, president of Ferris State University. The study is available online at [www.ferris.edu/careerinstitute](http://www.ferris.edu/careerinstitute).

Do your school's programs prepare students to meet these challenges by incorporating work ethic, courtesy, teamwork, self-discipline and language proficiency in its training strategies?

## BE A PART OF THE TEAM

The PMA Educational Foundation is working with education and industry to create tools that will allow you to introduce your students to the world of metalforming. For a modest investment, PMAEF invites you to join its exciting organization, and be a leader in developing and implementing educational programs which will benefit your students. For more information on membership and its advantages, please contact Karen Kittle at PMAEF.



**DON'T FORGET TO SEND US YOUR E-MAIL TO RECEIVE FUTURE *AtSchools***

For membership information, or to learn how to get involved with the PMA Educational Foundation, or for more information on current and future Foundation activities, please call, fax or access us on the World Wide Web.

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**at  
SCHOOL**

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PRECISION METALFORMING ASSOCIATION  
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