



NBT SCHOLARSHIPS

A GATEWAY TO END THE SKILLED LABOR SHORTAGE

In the spring and fall of each year, Nuts, Bolts & Thingamajigs® (NBT) awards scholarships to students pursuing degrees in manufacturing. These students are heading in the right direction to learn the skills that it takes to start working immediately after they earn their degree. Check the list of recent NBT scholarship winners at nbtfoundation.org/scholarships. Browse prospective candidate resumes on FMA's job board at fmanet.org/jobboard if you are looking to hire a new graduate for a position that is available in your company.

The application for fall 2020 scholarships will be open January 1 through March 30.

Learn more at nbtfoundation.org/scholarships.

CONGRATULATIONS TO THE 2019 FALL SCHOLARSHIP AWARD RECIPIENTS

Amanda Thompson

Precision Machining and Manufacturing
Perry Technical Institute

"Due to your generous scholarship, I am now able to afford all the books required by the precision machining and manufacturing course at Perry Technical Institute. It is an amazing feeling to be one step closer to my goal and to know I'll be ready the first day of class. Thank you for being a part of my journey in becoming a precision machinist and one day an offshore underwater welder."

John Provenza, Jr.

Automated Manufacturing Technology
Pennsylvania College of Technology

"Thank you very much for selecting me to receive an NBT scholarship. My goal is to become a CNC programmer and work on all different machines.

I have prepared for my career by taking precision machine technology classes at Cumberland Perry Vocational Technical School for three years. I have also worked in the tool and die shop for Ames True Temper during the summer and winter breaks. I am starting my sophomore year at Pennsylvania College of Technology this fall and the scholarship money really helps with my college tuition."



A NIGHT TO CELEBRATE MANUFACTURING'S BRIGHTEST MINDS

Avanté Banquet Center
1050 Northwest Hwy, Fox River Grove, IL

Learn more at nbtfoundation.org/gala.

NBT and FMA will host the inaugural Nuts, Bolts & Thingamajigs Awards Gala, presented by Amada, on Thursday, October 24, to celebrate and honor manufacturing's finest contributors. Three prestigious awards will be presented to NBT supporters to toast their philanthropic giving and dedication to the metals manufacturing industry.

The NBT board of directors will present the following awards:

Power
of Industry Award

Impact
on Industry Award

Future
of Industry Award

A highlight of the event will be the Metal Art Auction. Metal art sculptures, jewelry, wall hangings, and yard ornaments will be on display and up for bid in a live auction. Each unique piece of artwork features the work of professional and student metal artists using various metalworking techniques.

For tickets, sponsorships, and event information, contact Daunel Czarnecki at daunelc@fmanet.org or 815-227-8222.



COAST-TO-COAST SUMMER MANUFACTURING CAMPS

CAMP DIRECTORS SPEAK UP

The true value of the foundation's nationwide summer manufacturing camp program can be felt by the stories and experiences of invested individuals. Camp directors from coast to coast reported on their summer camp experiences and the impressions that were made.

2752

EST. PARTICIPANTS

nbtfoundation.org/camps

MIDWEST

"There are now 16 middle school girls who have learned what a career in welding, machine tool, and mechanical design entails. The students learned through the opportunity to have hands-on learning, they were able to create and design their unique projects which gave them ownership. Students were excited to watch their creation 'come to life' through the manufacturing process. The students went home with tangible products as constant reminders about their experience."

Girls Make It Real: Imagine, Design, Manufacture Camp

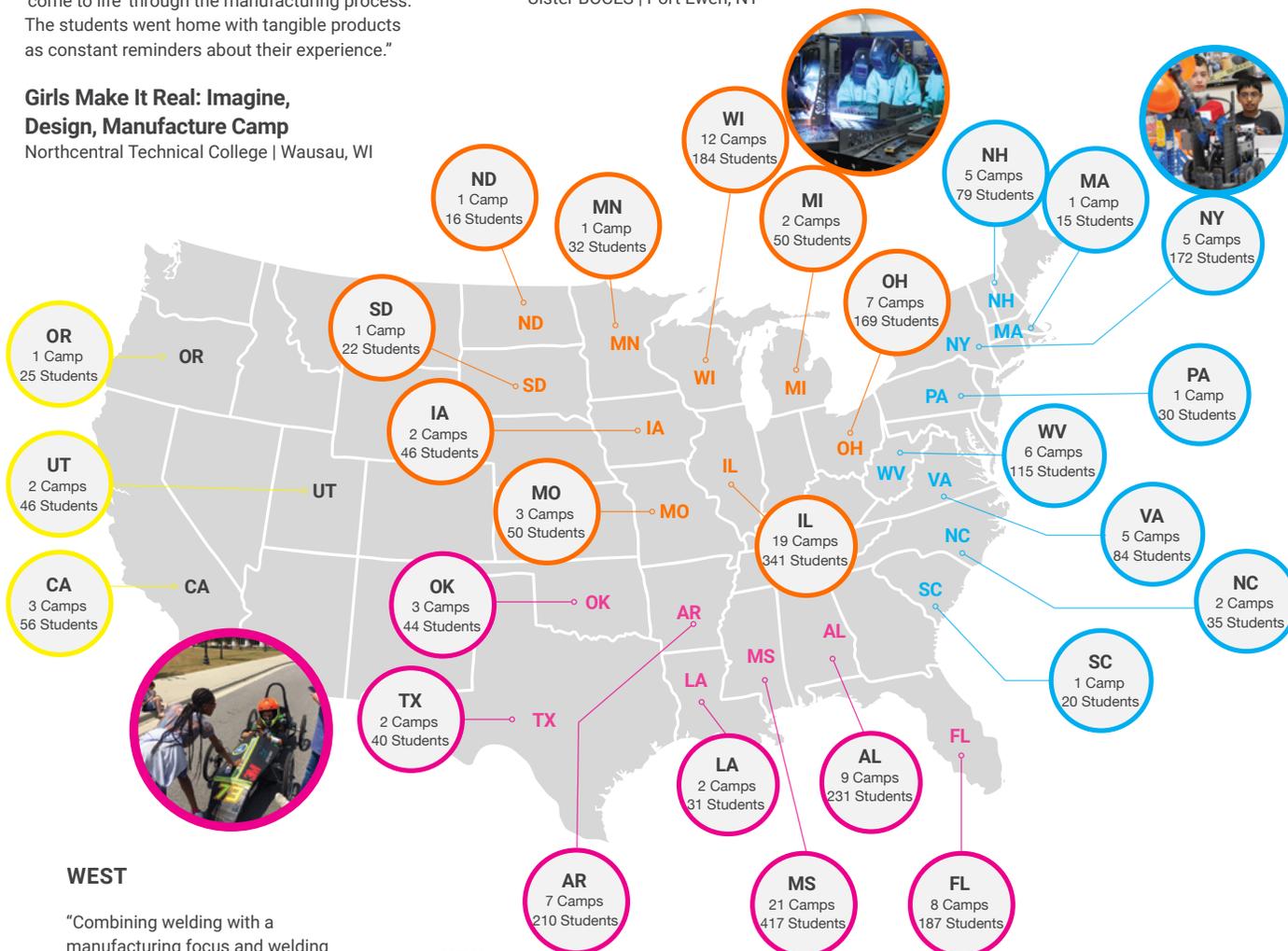
Northcentral Technical College | Wausau, WI

NORTHEAST

"Students love to explore manufacturing industry skills when delivered in a game-style manner. Working with large machines and complex programs can be intimidating, overwhelming, and make students feel incapable and unsure. Presenting the material in a more relaxed, fun, competitive environment enabled the students to feel comfortable and enjoy the process of learning and creating using these advanced manufacturing tools."

Advanced Manufacturing Camp

Ulster BOCES | Port Ewen, NY



WEST

"Combining welding with a manufacturing focus and welding with an artistic focus is really a great combination for engaging girls in the field. We had five girls return from last year because they couldn't wait to get their hands on the equipment again and make things!"

The Art & Science of Metalwork: Welding Camp for Girls

Weber State University | Ogden, UT

SOUTH

"We know that educating the community and exposing students early on to career pathways must be done if we are to close the gap between skilled workers available and demand for employees to fill jobs. Local industry is partnering with local K-12 schools like never before – they recognize that it requires their active involvement at all levels if the future workforce will be in place for them in coming years. This camp will be an annual event for us – no doubt. I expect it to grow significantly. I highly recommend any school or school system look into to an exploration camp such as this and focus on students prior to their final years in high school."

Hartselle Works! Career Exploration Camp

Hartselle High School | Hartselle, AL

HELP STUDENTS DISCOVER MANUFACTURING

Summer camps offer middle and high school students an opportunity to work with new tools, create take-home projects, discover entrepreneurship, tour local businesses, and much more. The confidence gained and unique skills learned are undeniable. NBT awards grant funding, curriculum materials, and resources to community colleges and technical high schools to host summer manufacturing camps for students ages 12-16. **Summer camp grant applications for 2020 are being accepted now through December 1.**

[Learn more and apply today at nbtfoundation.org/grants.](https://nbtfoundation.org/grants)

NBT CAMPS ARE LIFE CHANGING EXPERIENCES

MESSAGES FROM PARENTS



“Up to this point, my son’s only career interest has been related to sports. This camp was my last hope before high school, and it worked! **He is excited about different STEM classes** offered and has asked for an appointment with the counselor to change some classes for next year.”

“[My son] gave the eagle he **welded at camp** to his dad proudly as a Father’s Day present this weekend. He came home very excited and **looked into an apprenticeship** when he turns 16 with a couple of the companies you toured. This camp helped him to solidify his mind and plans for his future.”

“My 12-year-old son LOVED the NBT Camp. It provided the most stimulating and inspiring experiences. His favorite activity was wiring a light and **he is now considering becoming an electrician.**”



GOLFERS HAVE A BLAST AND RAISE AWARENESS FOR NBT'S MISSION

NBT would like to extend a thank you to the sponsors and guests of the seventh annual GOLF4MFG® fundraiser at Prairie Landing Golf Club in West Chicago, Illinois. Players came out to drive, chip, and putt on the prairie-style fairways and greens on August 19. NBT raised \$45,000 to support the scholarship and summer manufacturing camp programs.

Golfers enjoyed a wonderful day of comradery and competition at the new venue. This year, two players hit the "Splash for Cash" target 100 yards out. The day was heating up early at the putting contest with a four-way tie. Nate Stortzum came up victorious and took home the prize.

More contests throughout the course gave golfers the chance to win exclusive prizes including golfing trips to Vegas and Florida, a Harley Davidson motorcycle, and a set of golf clubs! President and CEO Ed Youdell challenged golfers to a closest-to-the-pin contest at the President's Challenge hole. The CO₂-propelled ball blaster added to the excitement to make it a fantastic event for a great cause.



The overall winning foursome from Huntington Bank scored a total of 58, 14 under par, edging out the competition by one stroke. Team members' names, Chris Truax, Brent Martin, Erik Skogsbakken, and Chris Sweetland will be etched on the giant travelling trophy housed at FMA.

Congratulations to the Contest Winners:

- Longest Drive: Kourtney Mulcahy, Akerman LLP
- Straightest Drive: Mark Parry, ITW
- Closest to the Pin and Longest Putt: Mel Melay, Hendrick Metal Products

The post-play reception gave an opportunity for recognition of donations from PMMI presented by Kate Fiorianti and Stephan Girard, Steve Earley from CNA, and Jeff Schroeder of Miller Electric. Special guests from College of DuPage and Richard J. Daley College addressed the group and shared inspirational stories of the impressions made at their summer manufacturing camps.

Thank you to the 2019 GOLF4MFG sponsors and participants for a wonderful event!

SAVE THE DATE FOR THESE UPCOMING NBT EVENTS!



ANNUAL MEETING

The Fabrication and Metals Industries' Leadership Conference

March 3, 2020

Hyatt Regency Hill Country Resort, San Antonio, TX



April 27, 2020

Ballantyne Country Club, Charlotte, NC

NBTFOUNDATION.ORG/DONATE

NBT is a non-profit, 501(c)(3) organization, 2019 donations are tax-deductible as allowed by law.