MAKING AN IMPACT
with Summer Manufacturing Camps

The largest manufacturing camp season will begin in May with a record-breaking number of 132 summer camps taking place across the nation. NBT's camp grant program awards funds to schools to produce camps that introduce students, ages 12-16, to the exciting world of today's manufacturing industry and inspires them to consider manufacturing career options.

This summer more than 2,700 students will learn new skills by making hands-on projects, designing products, giving presentations, practicing technical skills, and honing entrepreneurial concepts in a comfortable and safe environment. At the end of camp, they have a project to take home and a valuable learning experience that is priceless!

These inquisitive students are led by camp directors and technical education instructors who will demonstrate and share their skills. Regional businesses open their doors to students for tours and often serve as guest speakers that inspire the entrepreneurial spirit. Generous sponsors, community partners, and local manufacturers support camps to ensure that they continue year after year. NBT camps benefit the schools who serve as camp hosts, area manufacturing employers, and the community at large. Frequently, parents are invited to attend the last day of camps for student-led presentations and see the gained confidence in their children.

Learn more inside and find an NBT manufacturing camp near you at nbtfoundation.org/camps.

A NOTE
From our Foundation Director

Edward C. Dernulc
Foundation Director | Nuts, Bolts, & Thingamajigs®

Nuts, Bolts & Thingamajigs® (NBT), the foundation of FMA, is getting ready to kick off the 2019 summer manufacturing camps. These fun and interactive camps, for ages 12-16, are one of NBT's programs that inspire young people to pursue promising careers in manufacturing.

I am thrilled to share that the camps program has grown 57% from 2018 to this year, for a total of 132 camps. This makes NBT’s impact on the industry that much more powerful. What makes these essential camps possible are donations. We are grateful for every single dollar, as it is an investment in the curious minds of today that will become the next generation of skilled manufacturers tomorrow.

Thank you for your generosity,

Edward C. Dernulc
Foundation Director | Nuts, Bolts, & Thingamajigs®

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NBT is a non-profit, 501(c)(3) organization, 2019 donations are tax-deductible as allowed by law.
 WHY ARE CAMPS SO IMPORTANT TO MANUFACTURING?

Summer camps help keep manufacturing in America vital by developing the next generation of a skilled workforce.

Ideally, after a student attends a camp, and upon high school graduation, he or she will enroll at the same college that hosted the camp where their passion for a career in manufacturing began. After graduation, they have the necessary technical abilities to begin immediate employment in their community — keeping skilled labor local. Area businesses save time and money by avoiding extensive training programs and continue to grow and prosper.

2752 TOTAL STUDENTS

For a complete list, visit nbtfoundation.org/camps.

RACE PROCEEDS BOOST SUMMER CAMP FUNDS IN 2020

Michael Shaluly presents NBT director, Ed Dernulc, over $6,000 in race proceeds.

Sponsored by Mastercut Tool and the Shaluly Foundation LLC, the 5K Run or Walk for Education was created to celebrate Manufacturing Day and raise funds for the Nuts, Bolts & Thingamajigs® Foundation, along with three other organizations that support manufacturing education. October 2018 marked the fourth year for the race, held in Michael's home town of Safety Harbor, Florida.

Michael’s belief in the manufacturing industry drives him to inspire others to get involved and generously support educational programs for young people. He knows the bright future it offers to those who pursue careers in it.
Help support the next generation of skilled manufacturers.

Each year NBT awards scholarships to many students who are enrolled in two-year programs at community colleges or technical schools that go on to enter the manufacturing workforce as highly skilled professionals — often with minimal to no debt.

Congratulations to the 2019 Spring Scholarship Award Recipients

Anna Alvarez
Mechanical Engineering, University of Illinois at Urbana Champaign

Jenarium Anderson
Industrial Manufacturing Technology, Central Louisiana Technical Community College

Tony Anico
Welding and Fabrication Technology, Triangle Tech of Dubois

Sam Breese
Automated Manufacturing Systems Technology, Madison Area Technical College

Bladen Cooper
Welding Technology, Yuba College

Hunter Eindoshofor
Welding Technology, Pennsylvania College of Technology

Oliver Filigrana
Manufacturing Technology, Houston Community College

Joseph Hagedon
Machine Technology, Indian Hills Community College

John Headrick
Machine Tool Technology, Northeast Alabama Community College

Jacob Hedrick
Welding Technology, Perry Technical Institute

Lance Herzog
Welding, Triangle Tech of Dubois

Matthew LaLuzerne
Industrial Maintenance, William Rainey Harper College

Owen Moses
Mechanical Engineering, College of Southern Idaho

Benjamin Oravetz
Instrumentation and Industrial Automation Technology, Perry Technical Institute

Mary Raway
Mechanical Engineering Technology, Ivy Tech Community College

Lucas Rodgers
Instrumentation and Industrial Automation Technology, Perry Technical Institute

Abigail Stickling
Mechanical Engineering, Illinois Central College

Lucas Szepieniec
Mechanical Design Technology, Madison Area Technical College

Kelsey Wolcott
Precision Machining, Delgado Community College

“After graduation, I hope to land a job that will put me in an electrical apprenticeship so that I can become a dual-craft tradesman. Thank you again for investing in my future.”

Lucas Rodgers, Class of 2019

These top-notch students are on the right path to graduate with the skills necessary to work for your company. If you know a student needing financial assistance, encourage them to apply - scholarship applications are being accepted now through March 31 for the fall 2019 semester at nbtfoundation.org/scholarships.

Priority consideration is given to FMA members, employees of member companies and their dependents, and students attending Certified Education Center (CEC) member schools.
SCHOLARSHIP ALUM BUILT HIS FUTURE IN ENGINEERING

Nathan Peatrowsky
Casting Engineer, Central Motor Wheel of America, Kentucky and 2013 Nuts, Bolts & Thingamajigs® scholarship recipient.

The road Nathan took from his Nebraska home to school in South Dakota and onto his first job in Kentucky included a journey to Japan that impressed his employer, a subsidiary of Japan’s largest automaker: Toyota.

Nathan was a student who took matters into his own hands and didn’t let anything stand in his way. He ranks his study abroad program as his most significant, life-changing experience. A lifelong fascination with Japanese culture was enough to inspire him to pursue a special Gilman Scholarship to obtain the financial means for the foreign study program. His interest and drive also led him to study Japanese on his own to prepare for the trip.

A Career Path Found During an Internship

It seems that someone who was so inspired to live abroad would be equally determined about a career path, but Nathan wasn’t — at least not initially. He just knew that he loved watching “How It’s Made” and thought engineering might be the right career choice.

Nathan enjoyed helping his uncle who had a metal scrapping business. He figured that he would follow a career combining metal and engineering, probably in the automotive, aerospace, or mining sectors.

Nathan finally had everything click for him during his internship at John Deere in Waterloo, Iowa. “I had a really good manager,” he shared. “I learned about life after school, working on a team, and the importance of company culture. I had the same values as the company: integrity, quality, commitment, and innovation. I could relate to everyone there and even today I know I could call or email anyone I worked with and they would be happy to answer." That experience made it clear engineering was his calling.

“Engineering won’t be the easiest career you can have, but in the end it will be the most rewarding. You’ll work with smart people who have respect for you even when you are young and new to the industry. You can quickly become someone who makes a difference.”

“Just recently I tackled a problem where we had a die that would just freeze up and wouldn’t make a wheel. No one had any idea why this was happening, we just kept fixing the same problem over and over — resulting in hundreds of hours of downtime! All the engineers were stumped. In a last-ditch effort, I tried one more design change. Like flicking a switch, the problem disappeared. I still don’t know why it worked, but in the end my persistence paid off — and that felt great.”

In his spare time, Nathan also pursues printing technology. In college he had a roommate with a 3D printer and the two of them worked with the drone club, making parts. Before graduation, he got his own 3D printer and is still using it to make parts for the CNC mill that he is building. He’s also active in a local Makerspace and pursues his woodworking hobby as well as gardening. Adding on to his cultural prowess of learning Japanese in college, he’s now pursuing Korean — just in case his career path may someday take him to Asia.

NEW YEAR, NEW VENUE FOR GOLF4MFG

Support NBT on Monday, Aug. 19 at Prairie Landing Golf Course.

The beautiful course in West Chicago boasts a prairie-links style 18-hole course designed by Robert Trent Jones, Jr. The course has been rated 4.5 Stars by Golf Digest for “Best Places to Play” — one of only 25 Illinois courses to receive such a rating.

Meticulously maintained greens and fairways, Prairie Landing is designed with the player in mind. From wide open par 5’s to narrow par 3’s, the course is a fair challenge with a rewarding landscape. Peppered with various wetlands, mounds, and bunkers, Prairie Landing is no walk in the park. The alluring landscape could be considered a hazard itself.

Proceeds from GOLF4MFG support the summer camp and scholarship programs. Camps are hosts to thousands of middle and high school students. These students get to explore manufacturing by learning from knowledgeable leaders, using complex machines, and making projects with their hands.

The scholarship award program helps over 40 students each year pursue their career path in manufacturing. The impact that these students can make in their community is greatly needed.

Sponsorship opportunities available!
Choose from a variety of sponsor levels and exposure opportunities. Most sponsorships include foursome registrations and prominent visibility for your company. nbtfoundation.org/golf