

Senator Brown Summer Manufacturing Camp Media Coverage 2019

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Daily Advocate: [County looks to attract next generation](#)

Published 06/24/2019 by Ryan Berry

VERSAILLES – Partners for Progress (P4P) held its summer mixer in the Riviera Room at the Stillwater Valley Golf Course near Versailles. Several attendees dodged rain drops to enjoy a round of golf prior to the meet and greet.

The mixer gave Darke County Economic Development Director Mike Bowers and Workforce Specialist Tamala Marley an opportunity share updates with the membership.

Bowers introduced the NextGen Group that is currently working on a strategic plan to engage the next generation of workers and families and encourage them to call Darke County home. Darke County's NextGen is working with the Ohio State University Extension to assess the needs of the next generation and what they are looking for. Bowers said the U.S. Census is projecting the county will lose population over the next 20 years. "How do we come against that? How do we make sure we get to a break even and not lose population," he said. One area where the county has made gains is with the 25-29 year-old demographic. That part of the population has grown by nine percent in the last five years.

According to Bowers, a piece in the puzzle to not losing population is to make sure the right type of housing is available. He suggested holding a housing summit to get banks, developers and village and city leaders on-board and moving in the right direction. Bowers highlighted what Versailles is doing by developing higher-end housing, but noted the county is lacking in mid-level housing for young people that may or may not have started a family. He said they aren't looking for the high-end housing right out of college as they begin to start their careers and families.

Marley shared the success of the Manufacturing Camp held this past week. Senator Sherrod Brown began pushing for Manufacturing Camps five years ago and 22 Ohio counties participated in the event this year. She felt the junior high age participants were enthusiastic as they learned about the job opportunities available at local manufacturing facilities. The response from the manufacturers was just as enthusiastic. Marley said the manufacturers called the participants "engaged, enthusiastic, and one of the best group we've ever had." She praised the manufacturers for taking the time to work with the youth, "Our manufacturers outdid themselves," she said.

The Daily Jefferson: [Guernsey County students begin summer manufacturing camp](#)

11 June, 2019; Staff

Monday marked the first day of a manufacturing camp from 9 a.m. to 4 p.m. daily through June 13 at the Zane State College Cambridge Campus EPIC Center on Bridge Church Road to help Guernsey County students learn about manufacturing, teamwork, and local production facilities. The office of U.S. Senator Sherrod Brown, D-OH, helped organize the camp.

"Ohioans are proud of our state's long manufacturing history," said Brown. "To keep up that tradition, we must get a new generation interested in our changing manufacturing sector. That's what these camps are all about.

“These camps are helping students around Ohio learn about manufacturing jobs right here in Ohio and the opportunities our manufacturing sector has created for their parents and grandparents,” added Brown.

The theme of this week’s camp is manufacturing.

This learning opportunity gives local sixth, seventh and eighth graders an opportunity to learn about careers in the local community, tour local manufacturing facilities, and learn from experts. Students learn how products are made, participate in team-building exercises, and work on a project specific to their community.

Brown’s office started organizing summer manufacturing camps in 2013, and since then, the number of camps throughout the state has grown every year. This year, Brown’s office will help organize at least 34 camps in 25 counties.

Community partners include Zane State College, Eastern Ohio Development Alliance, Ohio College Tech Prep, Kerry, Detroit Diesel, Mancan, Cambridge Packaging, Quanax, AMG Vanadium, and Creative Packaging.

Video remarks from Senator Brown will be played at the camp.

[Galion Inquirer: Briefs: Manufacturing camp for kids at Mansfield Technical College](#)

July 10, 2019; Russell Kent

Manufacturing Matters camp at Marion Technical College

MARION — Marion Technical College is proudly partnering with local employers to offer a Manufacturing Matters Camp from July 15-19. Girls and boys in 6th and 7th grade will have a unique opportunity to tour local employers including Whirlpool, Wyandot and RobotWorx and do STEM (science, technology, engineering and math) projects.

This week-long camp is from 8 a.m. to 4 p.m. Just \$50 covers lunch and T-shirts. Scholarships are available. This is a community effort in response to Senator Sherrod Brown’s summer manufacturing camp initiative to increase the awareness of career opportunities in students’ own backyards. MTC is hosting the event, but is supported by local school districts, MarionMade!, CAN DO! Whirlpool, Wyandot, and RobotWorx, among others.

“I am excited about middle school students having the opportunity to not only learn about manufacturing, but learning about the specific opportunities right here in Marion!” said Sue Jacobs, middle school teacher at River Valley. “I feel it is really important to expose middle school students to a variety of careers so they might be able to choose the correct path once they enter high school.”

Students will see the creators and businesses right here in Marion. They will have hands-on activities at the companies as well as on the Marion Campus.

For more information, or to sign up, please go to: to www.mtc.edu/manufacturingcamp.
Elder care focus at OSU-Marion’s Alber Center

MARION — Starting Sept. 5, a new Elder Care Certificate program will be offered through Ohio State Marion’s Alber Enterprise Center, to meet the needs of those individuals and organizations serving Ohio’s aging population. This certificate course has been developed as a result of a successful pilot program that the Center launched in 2017, through grant funding and in collaboration with four long-term care organizations.

These organizations agreed to pilot the Elder Care Certificate (ECC) program through Alber Enterprise Center at Ohio State in order to develop employees’ skills and to improve the quality of elder care. In order to attract and retain workers, the focus of the ECC content was on developing soft skills and increasing staff members’ knowledge base in gerontology. Following the program, evaluation data showed that more than 75 percent of the participants increased their knowledge about health and wellness resources for older adults.

The full Elder Care Certificate course begins with four one-hour online modules, to be completed prior to the in-class workshops, covering these topics: Health & Aging; Myths and Realities of Aging; Issues of Abuse/Neglect; and, Is There an App for That? After completing the online portion, participants attend in-person workshops on Thursdays: Sept. 5, 12, 19 and 26, from 9 a.m. to 2 p.m. . Location: Ohio Living Westminster-Thurber, 717 Neil Ave., Columbus, . The full registration fee is \$ 420 . Discounts may apply. To get more information about the program or to register online: <https://go.osu.edu/ECC>

Lima News: [Sen. Brown promotes manufacturing camps](#)

2 June 2019

By Staff

WASHINGTON D.C. — U.S. Sen. Sherrod Brown (D-OH) is encouraging Ohio students to participate in summer manufacturing camps that are organized by Brown’s office throughout the state.

This year Brown’s office will help organize at least 27 camps in 21 counties, including one in Allen County beginning July 29 and running through August 2.

Mansfield News Journal: [Sherrod Brown announces summer manufacturing camps in 21 counties, including Richland](#)

22 May 2019

By Monroe Trombly

MANSFIELD - U.S. Sen. Sherrod Brown, D-Ohio, announced Wednesday his office is continuing a summer tradition of organizing manufacturing camps, which are geared specifically toward Ohio students in fourth through eighth grades.

The goal is to expose students to local manufacturing companies and potential career paths and to inform them of available manufacturing jobs.

Since 2003, about 70 camps have been held. This year, Brown's office has partnered with local businesses and community leaders to host 27 summer camps in 21 counties, including Richland. A complete list can be found on the [Senator's website](#).

“Manufacturing is one of our state’s most important industries, but too often, our companies can’t find workers with the right skills, while our students don’t realize all the opportunities available to them,” said Brown in a news release. “We need today’s Ohio students to realize all the potential careers they could have in Ohio manufacturing.”

An all-day, week-long summer camp, hosted by the North End Community Improvement Collaborative (NECIC), will be held from June 17-21. Registration is \$50, and scholarships are available. Students will be accepted on a first come, first serve basis.

Students from fifth to eighth grade will take a trip to different businesses each day and participate in games and activities geared towards what they are learning, according to the [program's description](#) on the NECIC website.

Brown, in a conference call Wednesday, said the camps demonstrate to children at early ages that alternatives exist to pursuing traditional four-year degrees, and seek to dispel stereotypes that manufacturing jobs are outdated or outmoded.

"Too often our students don't realize the opportunities available to them in industry – that's why we started these camps," Brown said. "When kids hear the word manufacturing, at least when the parents hear it, they think about dirty, dusty jobs, and the outdated, offensive term 'Rust Belt.' Today's Ohio factories aren't rusty; they're innovative, they're high tech, that's what these campers see up close."

Ken Timmings, who joined Brown on the call, is an owner of KTSDI, a manufacturer in Mahoning County that hosts a camp every year.

Timmings' son is participating in the company's camp for a third year this summer.

"Being able to see the smiles on his face every day coming home with a new story, visiting different companies, different events, going to the bank, working on a budget ... the rewards are priceless," Timmings said.

Kimmmings said he believes kids need to be introduced to manufacturing at even younger ages and emphasized they can be taught simple things such as hammering a nail, driving a screw or working a saw with proper supervision.

It's unclear as to how many children who've participated in the programs have gone on to pursue careers in manufacturing, but Brown says he receives notes and messages from parents who point to the camps as piquing their son or daughter's interest in professions such as welding, machining or engineering.

"It's my job is to get these camps moving, get them going (by) talking to people like Ken, and then it's these companies' job to excite these kids and show them there is a way to do something that might or might not mean they go to a four-year school," Brown said. "It might mean they go to community college, it might mean they go to a carpenter-apprenticeship program, or might mean they go into a company and do this kind of work."

<https://mountvernonnews.com/local-news/2019/06/20/manufacturing-camp-participants-build-under-time-pressure/>

The News-Herald: Summer Manufacturing Camp expansion to feature food, agricultural production

6 June 2019 By Chad Felton

After overwhelming success the last few years, the [Summer Manufacturing Institute](#) is expanding its Summer Manufacturing Camp to include a week centered on food and agricultural production.

With the addition of the newly-added session, the institute now provides young manufacturers with three session options, the others being Robotics and Automation, and Biomedical Engineering.

According to Mentor-based [Alliance for Working Together Foundation](#), campers create an exciting science project each day and then tour a manufacturing facility that embodies the STEM concept central to the science project.

“This particular theme will not only bring in a new and curious audience, but will also show the many connections between farming, food prep and manufacturing,” said Margo Reda, workforce director for [OhioMeansJobs Geauga County](#).

Tours through the week will include wholesale nurseries that use drones and radio-frequency identification, and automatic weeding machines; a behind-the-scenes view at a farmer’s market; and a demonstration of lavender essential oil extraction at [Luvin Lavender Farms](#) in Madison. Projects will include building a mixer, creating plant-based dyes, and making and molding lollipops.

Nathan Pflaum, AWT outreach program assistant, detailed that the institute has already had a very positive impact on both campers and the community as a whole.

“The addition of a food production week is going to make that impact even more exciting,” he said. “Who doesn’t love food?”

According to the institute, many campers enthusiastically return because of the impactful and enriching experiences that the camp provides. For fifth- and sixth-grade students who are interested in STEM, the institute serves as a great way to both solidify proficiency in STEM subjects while also offering students the rare opportunities to experience the real-life applications of STEM concepts.

The institute also allows young campers to gain first-hand experience in manufacturing — an often-misunderstood industry that is nonetheless critical to Northeast Ohio.

In order to expand the reach of the camp, organizers will be offering the lessons and paired field trips as an outreach program available to schools, libraries and other educational groups beginning September, said AWT Executive Director Alice Cable.

“Students are more likely to consider a career that they have some experience with, so our goal is to create a positive experience with manufacturing early on in the hopes that when they do choose a career path, they might ‘think manufacturing,’ ” Cable said. "By offering tours to student groups like this, companies help build their long-term pipelines.”

Patricia Miller said her daughter, a camper at the institute, has spoken of the camp almost nonstop since last year.

“She can’t wait to go again this year,” Miller said. “The hands-on activities were great keeping her moving and interested. She shared them over and over, and was amazed at what opportunities there are for different jobs after high school. She enjoyed going on the field trips and learning about manufacturers that she sees every day while riding in the car.”

The Summer Manufacturing Institute (Lake-Geauga) operates in partnership with [Auburn Career Center](#), AWT, OhioMeansJobs Geauga County, and the office of [Senator Sherrod Brown](#).

Brown’s office began organizing summer manufacturing camps in 2013, and since then, the number of camps throughout the state has grown every year. This year, Brown’s office will help organize at least 34 camps in 25 counties.

“Ohioans are proud of our state’s long manufacturing history,” Brown said in a statement issued June 7. “To keep up that tradition, we must get a new generation interested in our changing manufacturing sector. That’s what these camps are all about.

“These camps are helping students around Ohio learn about manufacturing jobs right here in Ohio and the opportunities our manufacturing sector has created for their parents and grandparents.”

The Lake and Geauga SMI runs June 10-28 at Auburn Career Center. Ashtabula SMI runs from July 22-26. Parents can sign up for the Lake and Geauga County SMI or the Ashtabula SMI at www.thinkmfg.com/smi.

(The Ohio 100) Manufacturing camps for Ohio kids

Published 05/29/2019 by Jim DiFrangia

School kids from the fourth to eighth grades will get a chance to attend summer manufacturing camps around Ohio, thanks to the efforts of U.S. Senator Sherrod Brown, D-Ohio.

Brown has partnered with local businesses and community leaders to host [27 summer camps in 21 counties](#). The camps demonstrate to children that alternatives exist to pursuing traditional four-year college degrees and to dispel common stereotypes that manufacturing jobs are outdated.

Students tour local manufacturing facilities and work on hands-on projects that allow them to see where a STEM education can take them in the real world.

(Record Courier) Manufacturing camp in Kent excites area middle schoolers

Published 06/13/2019 by Krista Kano

When Ava Marvin learned there would be a manufacturing camp at Theodore Roosevelt High School in Kent for middle schoolers, she knew she wanted to participate.

She's always been interested in engineering, and a few months ago, the Stanton Middle School seventh-grader started a cellphone-making business with her friend Zach Toth, 12, so the Makers of Tomorrow summer camp was right up her alley.

The new camp, held this week, is run by Roosevelt's Computer Aided Design and Engineering Technologies (CADET) teachers, with help from conxusNEO and U.S. Sen Sherrod Brown's office. Every day, campers work on manufacturing projects using the high school's design programs and machinery and visit a different local manufacturer to see not only how manufacturing affects them every day, but also expose them to all the different career opportunities within the industry.

Like the high school CADET course, the Makers of Tomorrow camp was open to any incoming middle-schoolers within the Six District Compact, which includes Kent, Cuyahoga Falls, Hudson, Stow-Munroe Falls, Tallmadge and Woodridge.

"We need to be reaching out to students that are younger to give them an awareness about what manufacturing is and what it's all about, what design is and what it's all about," said CADET teacher and camp instructor Troy Spear, who created the camp curriculum with his colleague Jeff Bee.

Instructor Troy Spear and Herston Williams, 14, check out the water jet machine that Williams used to make the spider emblem at center, at the Manufacturing Camp at Kent Roosevelt on Thursday, June 13. Kevin Graff, Record-Courier

To provide that awareness, the camp teaches students about the manufacturing process, although several campers, including Kent eighth-grader Parsa Khodabanehlou, learned it in previous engineering courses offered at Stanton.

"First you have to think of the idea, then you have to communicate with your team if its a good idea. After that, you write it down and design a model for it and then you go into CAD," Parsa said. He explained that the CAD, or computer-aided design program, is used to create a prototype that is then tested.

"If the prototype works, great. Test it a couple times and if it works every single time, then you can make a real version. If not, you communicate with your team and troubleshoot, which means you continue prototyping and communication. You do that until you get what you want," he said.

The campers used that process to create 2-D cutouts of different images using a waterjet, which the CADET program helped build in Tallmadge at WARDJet.

To create a keychain of her name using the waterjet, Ava explained that she first drew her idea, saved it to a flash drive and then inserted the flash drive into the machine. The machine then runs a program that cuts the image out of a piece of acrylic using high-pressure water infused with an abrasive, camper Maddie Baron explained.

Maddie, an eighth-grader, attended the camp with her twin brother Ben, who explained that they were also going to be creating a rook chess piece using a lathe.

“Most of us have designed it already. You take a block of aluminum and put it on the lathe. It spins really fast and then you cut it,” Ben said.

While mornings are dedicated to their own projects, the afternoons are spent taking field trips to companies, including Anderson International in Stow, ESTERLE Mold and Machine in Stow, KYOCERA SGS Precision Tools in Munroe Falls, Selas Heat Technology in Streetsboro and GOJO Industries in Akron.

Many of the campers enjoyed ESTERLE because they saw plastic trash cans being created. “They have trash cans come out on a conveyer belt and we got to clip off the stem at the end and shave off extras and put a sticker on it. So there’s a lot of hands-on stuff,” Ava said.

The visits also showed her that there’s much more to a manufacturing business than creating and selling a product, and the camp has confirmed her passion for engineering.

“We’re able to show students that this is not the dirty, grungy yesteryear of manufacturing,” Spear said. “This is high tech, it’s really cool and it’s really exciting.”

The Richland Source: [Manufacturing camp begins at NECIC](#)

17 June 2019 By Staff

MANSFIELD -- Today marks the first day of a manufacturing camp to help Richland County students learn about manufacturing, teamwork, and local production facilities. The office of U.S. Sen. Sherrod Brown (D-OH) helped organize the camp.

“Ohioans are proud of our state’s long manufacturing history. To keep up that tradition, we must get a new generation interested in our changing manufacturing sector. That’s what these camps are all about,” Brown said. “These camps are helping students around Ohio learn about manufacturing jobs right here in Ohio and the opportunities our manufacturing sector has created for their parents and grandparents.”

The theme of this week’s camp is Local Manufacturing. This learning opportunity gives local fifth, sixth, seventh, and eighth graders the opportunity to learn about careers in their community, tour local manufacturing facilities, and learn from experts. Students learn how products are made, participate in team-building exercises, and work on a project specific to their community.

Brown’s office started organizing summer manufacturing camps in 2013, and since then, the number of camps throughout the state has grown every year. This year, Brown’s office will help organize at least 36 camps in 26 counties.

Community partners include North End Community Improvement Collaborative, Regional Manufacturing Coalition, and EPIK, Ltd.

Video remarks from Brown will be played at the camp.

The Summer Manufacturing Camp takes place from 8 a.m. to 4:30 p.m. daily this week at the North End Community Improvement Collaborative, 134 N Main St, Mansfield.

[The Richland Source: Brown announces manufacturing camps for students, including one in Richland County](#)

22 May 2019 By Staff

MANSFIELD -- U.S. Sen. Sherrod Brown today announced his annual [summer manufacturing camps](#) for youth around Ohio, including one in Richland County from June 17-21.

Brown, a Mansfield native, partners with Ohio businesses, educators and community leaders to help young Ohioans learn about manufacturing jobs available in the state.

"Manufacturing is one of our state's most important industries, but too often, our companies can't find the workers with the right skills, while our students don't realize all the opportunities available to them," Brown said in a press release.

"We need today's Ohio students to realize all the potential careers they could have in Ohio manufacturing. That's why we started these camps," Brown said.

His office began organizing the camps in 2013. This year, there will be at least 27 camps in 21 counties.

Campers visit local manufacturers, tour plants and work with their peers on hands-on projects specific to their communities.

In Richland County, the camp will be for students entering grades five through eight. For more information on the camp, contact Nyasha Oden at 419-522-1611, ext. 112, or e-mail Nyasha@necic-ohio.org.

[Springfield News-Sun: Clark County students learn benefits of manufacturing at summer camp](#)

17 June, 2019; Riley Newton

Clark County students will have the opportunity to learn about manufacturing during a summer camp this week.

The theme of the week-long camp is Design and Building. Throughout the week, 43 Clark County students will learn about careers in manufacturing, tour manufacturing facilities and learn from experts in the field.

Students will also learn how products are made, participate in team-building exercises and work on group projects.

“The camp is to help make them aware of manufacturing and the depth of manufacturing careers,” said Rene Stratton, Career Connect Program Coordinator at Career ConnectED. “Springfield is a strong manufacturing city, so we want them to understand all of the jobs, skills and what it takes to get into the field.”

Students at this week’s camp range from fourth to sixth grade. Next week’s camp will feature more technical things, as the camp will be for sixth through eighth graders, Stratton said.

The camp is put on by Springfield City School District, Silfex and U.S. Sen. Sherrod Brown. “Ohioans are proud of our state’s long manufacturing history,” said Brown. “To keep up that tradition, we must get a new generation interested in our changing manufacturing sector. That’s what these camps are about.”

Brown’s office started working with school districts to organize manufacturing camps in 2013. Since then, the number of camps across the state has grown every year. This year, Brown’s office will help to organize at least 36 different manufacturing camps across 26 counties in Ohio.

“These camps are helping students around Ohio learn about manufacturing jobs right here in Ohio and the opportunities our manufacturing sector has create for their parents and grandparents,” Brown said.

Micah Echols, a student attending the camp, said he liked to work on projects at camp, including making a tower using spaghetti noodles and marshmallows.

“I’m learning what manufacturing actually is, and how we can use it, which is cool,” Echols said. “When I’m older, I want to be an engineer, and that’s part of manufacturing.”

Youngstown Business Journal: [Bus Tour Exposes Students to Job Opportunities](#)

June 18, 2019; Jeremy Lydic

NEW MIDDLETOWN, Ohio — School’s out for summer, but 26 students boarded a school bus Monday morning to get a fresh perspective on what is available to them after they graduate high school.

The group of seventh- to ninth-grade students representing 21 school districts from Mahoning, Trumbull, Columbiana and Portage counties took part in the two-day Career Exploration Bus Tour that introduced them to eight employers in Mahoning County, including manufacturers, trades, small business, food service and government. The experience was eye-opening for Jacob Wolf, 14, Boardman Glenwood Junior High School.

“There are a lot more jobs and opportunities in our area than we really think there are,” Wolf says. “I really learned that there’s a business aspect to everything.”

After high school, Wolf plans to study finance in college, he says. While guidance counselors at his school discuss job opportunities in the area with students, he says the bus tour gives him a better perspective on the type of jobs that are available in the area.

“I feel like it’s a lot better of an experience to actually go to the places and learn about the jobs from the people who actually do it,” he says.

Just before noon on Monday, the students visited [KTSDI LLC](#) – the second stop of the day. Before that, they visited Scarsella’s Restaurant where they learned to make pizza, says Sandy Furano, lead career counselor at the Mahoning County Educational Service Center, which organized the bus tour. Other stops on Monday included Sweeney Chevy Buick GMC, Akron Children’s Hospital Beeghly Campus and the Boardman Township government office and fire department.

At the start of each day, speakers talk to the students about character and integrity, as well as pre-employment skills, what goes on a resume, interviewing techniques and how to properly use social media and Facebook.

“As soon as they get to us in the morning, we’re starting with learning and then we get on the bus and start exploring all these different stops,” she says.

Tuesday, the students will visit Holiday Inn Boardman, Datco Manufacturing Inc., Angels for Animals and training centers for the plumbing and electrical trades, Furano says. The goal is to present options to students who might feel like college isn’t for them, she says, and “you can still earn a great education through trades or an apprenticeship, learning with your hands, learning on the job, and not having that college debt.”

It also gives college-bound students an idea of how many careers are represented in one industry, she adds. So far the the business owners “are loving it,” she says.

“They love that one-on-one with the kids, that they’re actually in their building,” she continued. “You can have guest speakers in a classroom. But I think to actually see it on the company’s site, they’re all doing hands-on activities, there’s not a better way to really let the kids explore.”

That ability to directly reach students comes at a time when there are available jobs. But when it comes to finding qualified workers, “not really,” says Ken Timmings, manager at KTSDI.

“We’ve lost generations of tradesmen through the decline of the Valley, through the educational system not promoting it,” he says. “A majority of the schools have lost their shop tech programs and we’re suffering as a result of that.”

During the visit, groups of students toured specific stations at the company, including the main office where staff explained what KTSDI did, as well as the shop and shipping and logistics. KTSDI remanufactures, distributes and engineers components for the heavy transportation market; many of the original equipment manufacturers the company partners with are based in Europe. The company also manufactures special vehicles for the heavy lift, shipbuilding and other industries.

The tour took about an hour before the students were back on the bus to go to the next destination.

Programs like the bus tour are important for getting students aware of and interested in these fields of work, Timmings says. Organizations like the Mahoning County ESC are doing what they can to promote area industries, particularly science, technology, engineering and mathematics, or STEM, and attending technical schools, he says.

KTSDI has been involved with a number of programs related to getting kids interested in STEM, particularly the younger kids, he says. Also this week, the company will again take part in the Summer Manufacturing Institute, a multi-week workshop open to kids in the fourth through sixth grades over the summer hosted by Oh Wow! The Roger & Gloria Jones Children's Center for Science & Technology and the Youngstown YWCA.

"The traditional routes have not worked for the Valley and many other areas across the country," Timmings says. "Our approach is to get it more in the beginning; K to 4 would be an ideal age, in our opinion, to introduce these kids to STEM technology, hands-on and the opportunities in the Valley."

Getting students interested early gives companies like KTSDI a better chance of having a qualified work pool to hire from, he says. Otherwise, having smartphones at a young age leads kids to believe "they can Google their way through life, and that doesn't leave us with any qualified workforce," he says.

"If we introduce them much sooner, they're going to pick up the tools of the trade and maybe show an interest and lead a career path," he says.

[Star Beacon Summer Manufacturing Institute aims to engage kids](#)

Published 05/24/2019 by Bryan Haytcher

JEFFERSON — Children who like to work with their hands will have a chance to get out of the house and get their hands dirty this summer at a series of camps put on by the Alliance for Working Together.

The Alliance is planning three camps this July based out of A-Tech to teach children about potential careers in manufacturing.

The first camp, called Mad Scientist Week, is for girls only and will take place from July 8-12. That camp will focus on chemistry with the hope to encourage young women to pursue a career in science, technology, engineering and math (STEM).

"We'll be doing things like making slime, making paper," AWT Engagement Manager Juliana Kosik said. "We're actually trying to have female engineers or chemists come in to talk to us about careers in STEM for women as well."

From July 15-19, there will be another camp focusing on robotics and automation. The final camp of the summer is from July 22-26 and is focused on Food and Agricultural Production.

Camps will run from 9 a.m. to 3 p.m., Monday to Thursday, and 9 a.m. to noon on Fridays, with a special presentation afterward.

The camps will include lessons and activities for campers, along with tours of manufacturing facilities.

"In our Lake and Geauga (camp), we made a hydraulic claw, then we went and toured a facility where they use hydraulic claws," Kosik said.

The event is organized by Alliance for Working Together and is sponsored by a number of local entities, including Congressman Dave Joyce, the county commissioners and Ashtabula County Job and Family Services.

Each of the three camps will cost \$25 per week, and are aimed at students in fifth or sixth grade. There is a maximum of 25 children per camp, and AWT would prefer to receive registrations by June 23. Registration forms for the various camps can be found at <https://thinkmfg.com/summer-manufacturing-institute-ashtabula>.

Joyce, whose district includes all of Ashtabula County, is a member of the steering committee for the program.

"When you show kids the possibility of what their futures can be, there's no stopping them. That's why I'm proud to be on the Steering Committee for AWT's Summer Manufacturing Institute," Joyce said. "Not only do these camps help kids understand what careers in manufacturing have to offer, they also give them the opportunity to gain the skills necessary to compete for jobs available right here in Ashtabula."

While not involved in the Ashtabula camps, Sen. Sherrod Brown sponsors a number of similar events throughout the state — there are a total of more than 27 in 21 counties — and his office has promoted the Ashtabula events as well.

"We need today's Ohio students to realize all the potential careers they could have in Ohio manufacturing," Brown said, adding the best part of the camps is "watching the look of joy on these kids faces when they do things they've never done before."

Toledo Blade: [TPS manufacturing camp keeps an eye toward jobs](#)

Published 06/14/2019 by Liz Skalka

Manufacturing and jobs are hot-button political issues, but you wouldn't know it from watching Austin Banhorn wield a glue gun.

The 12-year-old was using it to stick wooden toothpicks to a cardboard tube. The idea was to replicate something he'd seen earlier in the week: the wheel of a Mars Rover space exploration vehicle.

His lofty goal? Build a cardboard tire that could rival NASA's actual one.

“That was what we were going for,” explained Austin (whose partner smirked and shook his head at this suggestion). “But we realized it was going to take way too much time.”

The point of the exercise wasn't to accomplish a feat of engineering. In the next room, other campers were practicing using a tool to engrave metal dog tags. Another group was watching an instructor demonstrate a manual engine lathe, a machine used to cut metal.

It was the culmination of a week-long camp designed to expose sixth, seventh, and eighth graders to manufacturing, in the hope it might spark an interest for their careers.

The camp was run by Toledo Public Schools at Scott High School and funded by community sponsors, including Detroit Manufacturing Systems, Hirzel Canning Co., and United Auto Workers Local 12. The organizer behind it was Democratic Sen. Sherrod Brown of Cleveland, who for seven summers has promoted camps like these across the state.

This was the first one held in Toledo, which was recently ranked in a federal reserve study as the top metro area in the nation for its share of jobs that pay well and don't require a four-year college degree. It found that 95,000 jobs here pay above the national median wage but don't require an advanced degree. Assemblers and fabricators, for instance, earn a median annual salary of \$39,400, about \$7,000 higher than the national median.

Despite the changing landscape of domestic manufacturing nationwide, it still accounts for 12 percent of employment in Ohio. But employers often complain they can't find workers with the right technical skills, leaving unfilled thousands of well-paid jobs that may require a certificate or trade schooling but a not a four-year degree.

The issue is ripe fodder for a politician like Mr. Brown, a Democrat who came up in union halls and enjoys support among the manufacturing workers President Trump wooed in 2016. (Mr. Brown was considering a White House run earlier this year but decided against it).

“Years ago, the White House said everybody in America wants more manufacturing, but nobody wants their kid to do it, and that was really a challenge for me,” he said.

“So many kids now think they've got to go into college. Many should, some shouldn't. Maybe they want to go out and start as a technician somewhere, or they want to go through a union apprentice welder program ... for me it's about giving people approaching the end of their 12 years of school options.”

“What kind of careers can they go for? Really, it's what kind of careers can't they do,” said David Dowling, a teacher in Scott High School's advanced manufacturing career tech program. “We try to prepare our students for any career, or at least give them a solid foundation,” said Mr. Dowling, whose students also enter the skilled trades or engineering.

Toledo Public Schools Superintendent Romules Durant said the federal reserve study is proof there are opportunities for students to have “nice things, a nice home, all in the city of Toledo.” But they have to know what options exist, he said.

Before the 25 student who completed the camp lined up to receive symbolic certificates and water bottles from Mr. Brown and the corporate sponsors, Mr. Durant told them: “I always say that when I talk to kids who are 18 years of age and I say, ‘What do you want to do?’ — many of them have no clue.”

Toledo Blade: Camps seek to stir interest of youth in factory jobs

Published 06/03/2019 by Ed. Board

Manufacturing jobs, one of the pillars of northwest Ohio’s economy, aren’t the eye-candy careers that school-age children usually desire. Ohio Sen. Sherrod Brown is trying to change that with a wave of camps aimed at 4th through 8th graders to stir interest and even excitement in factory work.

There are no tents and no campfires involved. But the weeklong programs this summer will be attended by hundreds of Ohio children, a novel education device Mr. Brown came up with six years ago. He has encouraged local officials to add more camps each year.

In general, people want more manufacturing in their communities, but they often don’t want their children to go into those occupations, partly because factory work is still thought of as dirty and outdated. But today’s manufacturing has many high-technology, high-skilled positions that often pay salaries of \$16 an hour and more.

The camps help show the reality of modern manufacturing. Ohio will have 27 of them this summer in 21 counties, including Lucas, Wood, Allen, and Defiance. In most cases the camps are free and include five days of activities, including visits to several nearby plants or warehouses.

The days, organized by local school, economic development, and business leaders, are chock-full of information, hands-on projects, in-person witnessing of various types of jobs, and sometimes even viewing the making of a product from start to finish.

In Lucas County, the “Manufacturing and Design Experience” camp runs June 10-14, with 23 children in grades 4, 5, and 6 signed up from Marshall, McKinley, Chase, and Hawkins schools. The itinerary will include visits to University of Toledo’s robotics program, Detroit Manufacturing, Hirzel Canning, and Rudolph Libbe.

“This is to expose children to viable options, giving them possible career opportunities,” said Cassandra Seimet, a career tech education specialist with Toledo Public Schools who is coordinating the district’s first such camp for students under high-school age.

In Wood County, the July 15-19 program is still being developed but will include visits to Northwood Industries, Owens-Illinois’ laboratory facilities, Penta Career Center, and possibly a local distribution facility. In the past, First Solar’s Perrysburg Township plant has been included. Thirty children ages 11 to 13 are expected to attend.

On the last day of the camps and afterward, the students usually rave about the fun and experiences they had. It spurs them to think about pursuing such jobs. For participating

businesses, it's a sales job, possibly luring youths into occupations that are in demand now and are expected to be in the future.

The five-day immersion provides a better imprint on students than what similarly occurs on National Manufacturing Day in the fall.

The camps, even without s'mores, are a smart idea and should be considered by local officials in all Ohio counties and in other states.

Youngstown Business Journal: [Manufacturing camps](#)

23 May 2019 By Staff

Manufacturing camps

YOUNGSTOWN

For the seventh-straight year, the office of U.S. Sen. Sherrod Brown, a Cleveland Democrat, will work with businesses, educators and community leaders to host summer manufacturing camps throughout the state to help young people learn about manufacturing jobs.

The camps in Mahoning County are scheduled for June 17-21 and June 24-28. In Trumbull County, it is July 8-12.

To find out more about the camps, parents can go to www.brown.senate.gov/summer-manufacturing-camps.

Youngstown Business Journal: [Students, Jobs and Buses](#) (VIDEO)

June 18, 2019

From manufacturers to car dealerships, students from several counties are spending the week visiting area businesses.

Youngstown Vindicator: [Area girls build up manufacturing skills at STEAM camp](#)

June 18, 2019; Sean Barron

One day, Destiny McCullough may become a lawyer or a professional basketball player, but her success in either career could receive an added lift, thanks in part to what she's learned on the ground.

"I kind of like to be creative and build stuff," the Austintown Middle School eighth-grader said. "I've learned different things that I never knew about."

One of those things – a lesson in basic aeronautics – may enhance her creativity and critical-thinking abilities, both of which are vital in Destiny's career hopes. For her, those virtues likely received a boost, thanks to having been among the youngsters who took part in a Summer Manufacturing Institute camp Tuesday at KTSI Vehicle Solutions LLC, 801 E. Middletown Road.

The business specializes in heavy-load transport applications and works with many original equipment manufacturers to provide electronic, mechanical and hydraulic control systems.

Transportation was the theme of the five-day Science, Technology, Engineering, Arts and Mathematics (STEAM) camp that was mainly for girls, but in which boys also participated,

noted Ken Timmings, KTSDI's manager. A main thrust behind the camp was to showcase and give girls an opportunity to consider lucrative, high-paying jobs in manufacturing, an industry many contend remains too male-oriented, organizers said.

Also intrigued by the aeronautics lesson was Jhonest Liason, a sixth-grader at St. Joseph the Provider School in Youngstown, who said she might become a mechanic. Jhonest was excited to learn that before becoming famous for inventing and flying the first airplane, one of the Wright Brothers owned a bicycle shop in Dayton.

Giving the instruction on aviation was Joseph DeRamo, campus director of the Pittsburgh Institute of Aeronautics in Vienna, which hosted one of the camp's 10 stations. DeRamo explained the critical roles of weight, balance, air pressure and drag, gravity, thrust and lift in allowing planes to fly, saying that different air pressures under and over the wings make flight possible.

"That back-up plan, or redundancy, is what keeps flying safe," he added, referring to a second engine and other additional safety features many planes have.

Noah P. Iafigliola, an account executive with Loctite's Willowick office, discussed the evolution of modern-day machinery and the importance of using oil and other lubricants to reduce friction as well as wear and tear on gaskets in vehicles, for example.

Mr. Ralf, who's with OH WOW! The Roger & Gloria Jones Children's Center for Science & Technology in Youngstown, noted that the center provided the curriculum "to educate girls on how important manufacturing is and to get involved in manufacturing."

During the camp, participants will be tasked with using their knowledge to build a model drone, car or air-cushion vehicle, but the challenge won't stop there, he said.

"I will attempt to make their transportation fail, and they're going to make it work by utilizing upcycled, recycled or donated materials," such as egg crates, paper-towel tubes and cardboard, Mr. Ralf continued.

[WEWS: Students in Stark County get a jump start in their careers with manufacturing camp](#)

17 June 2019; By Kaylyn Hlavaty

STARK COUNTY, Ohio — Students in Stark County will spend a part of their summer learning about one of Ohio's fastest growing sectors: manufacturing.

Monday marks the first day local fourth, fifth, sixth and seventh graders will learn about careers in manufacturing while participating in team-building exercises.

"The programming, the design, the manufacturing. These are all high-demand jobs and we have the tools to teach our students how to do that kind of work," said Phil Mitchell, engineering technology instructor at Kenmore Garfield High School.

Senator Sherrod Brown's (D-OH) office organized the camp, which started in 2013, and has since grown with 36 camps in 26 counties this summer.

Students participating in the camp get exposure to a field before they even reach college. "This is normally a college level class -- but we're getting it completely free in high school," said Alex Dugan, a student in the camp.

"I think it's an amazing opportunity because we get to learn things that some others can't learn," said Isabella Baughman, another student participating in the camp.

The camp runs until June 20 at the Stark County College Automotive Technology Center.

[WNWO: TPS students explore manufacturing industry in summer camp](#)

Published 06/14/2019 by Briana Malaska

A camp is helping students get career ready over summer break.

Senator Sherrod Brown stopped in Toledo on Friday to speak with kids at the camp at Scott High School.

Fourth through eighth grade Toledo Public School students spent the week participating in a free five day Manufacturing and Design Experience camp.

"We got to carve necklaces and smooth it out on the other side, that was my favorite part of what we did today," said Alaynah Payne, Chase STEM Academy 7th grader.

The camps are a statewide effort that Brown's office helps organize.

"Years ago somebody at the White House said, 'everybody in America wants more manufacturing but nobody wants their kids to do it,' and that was really a challenge to me," said Brown.

The goal is to introduce students to a career they might be able to pursue right out of high school. "You know what, what we've found is the more we've expanded career technology the more kids have wanted to come to school, meaning that they have found something that they are skilled, gifted and have a passion for," said Dr. Romules Durant, Toledo Public Schools superintendent. The hands-on learning is a way for the young students to see if they have an interest in the industry.

"I also liked when we got to take the wires out of the little cars and you get to put them back in, it was kind of challenging but it was good at the same time," said KhaMya Gushard, Chase STEM Academy 5th grader.

Durant said the district sees higher graduation rates for its career tech programs.

"A mother called me after one of these camps and said my daughter is in the fifth grade never liked school but now she wants to be a welder, or an engineer or a technician, she's found things she likes to do," said Brown.

The TPS camp was part of 36 total camps happening in 26 counties across the state organized by Brown's office.

WKBN: Summer camps across Ohio will expose middle schoolers to manufacturing

23 May 2019 By Staff

(WKBN) - Ohio Senator Sherrod Brown wants to connect young people across the state with jobs in manufacturing. For the seventh straight year, he will partner with businesses and community leaders to hold summer manufacturing camps.

Brown said these camps are a great way to show kids what's possible.

The following camps will be offered in our area this summer:

Mahoning County

Transportation: June 17 to 21 and 24 to 28, 5th through 8th graders, contact Emily Rauschenbach at ecoelho@mvywca.org

Trumbull County

Transportation: July 8 to 12, 5th through 8th graders, contact Emily Rauschenbach at ecoelho@mvywca.org

Ashtabula County

Chemistry: July 8 to 12, 5th and 6th graders, contact Alice Cable at Alice.Cable@thinkmfg.com or 440-346-5959

Robotics and Automation: July 15 to 19, 5th and 6th graders, contact Alice Cable at Alice.Cable@thinkmfg.com or 440-346-5959

Food and Agricultural Production: July 22 to July 26, 5th and 6th graders, contact Alice Cable at Alice.Cable@thinkmfg.com or 440-346-5959

You can see a list of all the available camps throughout Ohio on [Sen. Brown's website](#).

(WSYX) Sen. Brown announces summer manufacturing camps

LANCASTER, Ohio — Some jobs have gone unfilled because employers have had difficulty finding enough skilled people to fill those vacancies. That's led to more efforts to provide technical training to help people get those jobs. One program organized by Senator Sherrod Brown (D - Ohio) aimed at encouraging teenagers to consider a career in manufacturing.

The week-long summer program allows junior high and early high school students hands-on training in plastics and manufacturing Styrofoam.

"I have been always the curious one," said Sam Hoffmann, a 15-year-old who just finished the program Friday at the Ohio University Lancaster campus. "Whenever I see something new, I always want to get my hands on to it. (The program) made me feel like, 'oh wow, people actually make this just from a sheet of plastic?'"

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The program has been offered in 35 places across Ohio for the past three years. Nearly 1000 students in the 5th to 9th grade have now taken part.

"You don't have to be an engineer to be involved in manufacturing," said Gina Orr, one of the program instructors. "You can be a technician, you can be someone who just wants to work with materials, you can be someone who works in sales but just enjoys how things are made." Brown said the program was designed to pique the interest of young students to consider pursuing a career in manufacturing.

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"People can go to a career center, they can go to a tech school, they can be a union apprentice, carpenter, electrician, and they will find these are good-paying jobs that have good benefits, good retirement ultimately," Brown said.

Most junior high and high schools don't have the equipment necessary to allow students to try their hand at manufacturing. The goal of the program is to turn a week into a lifetime of learning. "Me and my mom really don't have stuff to do this," Hoffmann said. "It was an awesome experience just to come here and do it."

[WTOL: TPS parents can learn about summer camps, after-school programs available for children at resource fair](#)

TOLEDO (WTOL) - There are lots of ways your kids can get involved in after-school and summer programs, but it can be hard to figure out what is actually available for them.

The Summer Camp Inclusion Resource Fair aims to make it easier to sort through everything. The third-annual resource fair can be your one-stop shop to learn about the programs available to TPS students.

Parents will also be able to browse booths at the fair that will help with transportation options and scholarship opportunities.

There will also be activities for kids, give-aways and light refreshments.

The family-friendly event is from 5:30 p.m. to 7:30 p.m. on Tuesday at Bowsher High School. Those wishing to attend the event should use the entrance off Arlington Avenue.

The event is open to all families, including children who have special needs.

Contact Deetra Mitchell at the Lucas County Board of Developmental Disabilities at 419-380-51763 for more information.

WNWO: TPS students explore manufacturing industry in summer camp

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WTVG: Sen. Brown announces summer manufacturing camps

22 May 2019 By Staff

(WTVG) - Sen. Sherrod Brown is working with Ohio businesses and schools to host another series of manufacturing camps throughout the state this summer, including several in Northwest

Ohio. The camps seek to help young Ohioans learn about the various manufacturing jobs available throughout the state.

“Manufacturing is one of our state’s most important industries, but too often, our companies can’t find workers with the right skills, while our students don’t realize all the opportunities available to them,” said Brown. “We need today’s Ohio students to realize all the potential careers they could have in Ohio manufacturing. That’s why we started these camps.”

Brown’s office started organizing summer manufacturing camps in 2013, and since then, the number of camps throughout the state has grown every year. This year, Brown’s office will help organize at least 27 camps in 21 counties.

Summer Manufacturing Camps kick off next week in Jackson County and run until Aug. 2. Students and parents can learn more by [visiting Sen. Brown’s website](#).