

Fact-Based News, Views and Updates on Intel's Impact in Licking County from the Welcome Intel Task Force

Focused on a smooth landing for Intel and great opportunities for Licking County!

September 2022 NEWSLETTER • Digital Edition

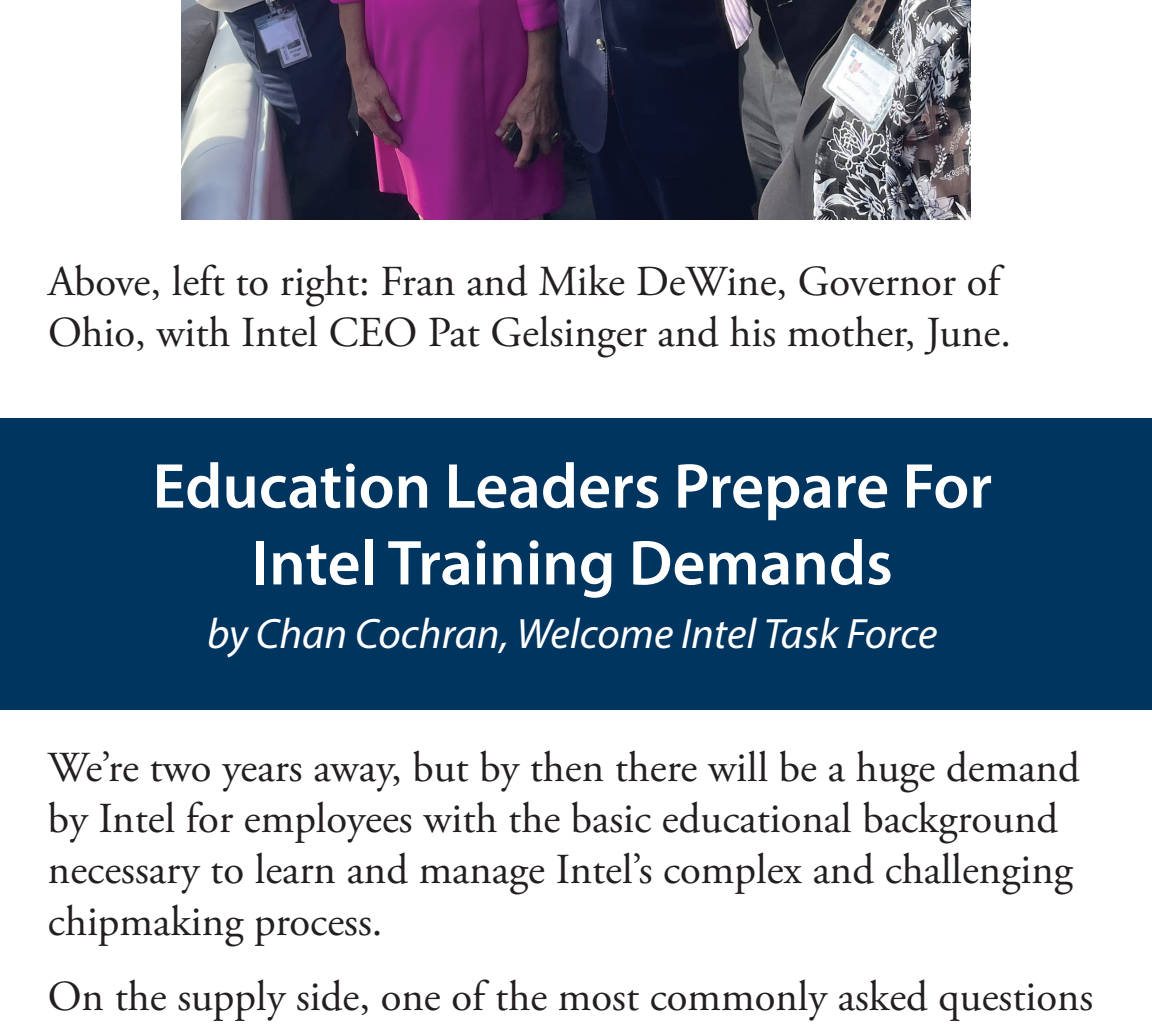
Intel Welcomes Ohio to Intel Family Groundbreaking September 9, 2022

“Made in Ohio and Made in America is no longer just a slogan.”

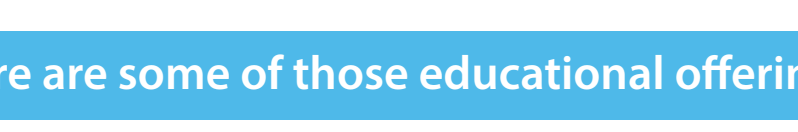
–President Biden



Following a groundbreaking ceremony at the Licking County location of Intel's new chipmaking facility, President Joe Biden arrived and made a speech touting the Ohio development, describing it as the new “Silicon Heartland.”



Above, invitees included dignitaries, government officials, businesses and organizations involved in the effort to bring Intel to Licking County. President Biden is on the stage center left.



Above, left to right: Fran and Mike DeWine, Governor of Ohio, with Intel CEO Pat Gelsinger and his mother, June.

Education Leaders Prepare For Intel Training Demands

by Chan Cochran, Welcome Intel Task Force

We're two years away, but by then there will be a huge demand by Intel for employees with the basic educational background necessary to learn and manage Intel's complex and challenging chipmaking process.

On the supply side, one of the most commonly asked questions in the Licking County Community is, “How do I get my (son or daughter) ready to hold one of those good jobs?”

Leading educational institutions in the county are seizing the opportunity, beefing up STEM (Science, Technology, Engineering, Math) and college level technology courses in anticipation of the coming demand.

Here are some of those educational offerings:

Newark City Schools

Newark City Schools students have the opportunity to attend a free summer STEM Camp open to students in Grades 2-12. Students learn coding, robotics, and other skills.

Newark has also reworked its library spaces into “innovation” and “maker” spaces where students are encouraged to tinker and explore.

STEM-focused programs also are embedded into classes from pre-school through graduation. Programs included STEM kits, Ozobots, Code.org, 3D printing, JASON learning, Arduino and others, depending on grade level.

Students also have access to STEM-inspired courses beginning with robotics in fifth grade, extending through pre-engineering in middle school, and computer science, engineering, and entrepreneurship classes in high school.

Newark students are being challenged to experiment and solve problems in STEM almost daily from the first day of kindergarten through graduation.

Interested parents should consult with teachers to make sure their children are taking to most challenging courses available.

Central Ohio Technical College

Intel's announced plan to hire 70 percent of its Ohio workforce at the associate degree level draws welcome attention to the importance of COTC's two-year associate degrees.

For COTC students and graduates, there's major good news. Intel representatives have reviewed COTC's electrical engineering technology associate degree and found that COTC graduates will be well-positioned for technician jobs with Intel Ohio.

COTC's Associate of Applied Science in Electrical Engineering Technology is a two-year degree offering skilled training to complement a wide variety of industries and employers, including Intel. Classes include circuits, digital electronics, AutoCAD, project management and more. The degree is internationally accredited by ABET.

In addition to electrical engineering, COTC offers an Associate of Applied Science in Engineering Technology and a six-course Industrial Electrician certificate. Engineering technology graduates gain real-world, transferable skills in multiple areas in each program.

COTC offers four convenient campuses in Pataskala, Knox, Newark and Coshocton, plus online and hybrid course formats.

The Ohio State University at Newark

As part of The Ohio State University's nationally ranked College of Engineering, the new Bachelor of Science in Engineering Technology at Ohio State Newark will prepare graduates for careers in manufacturing leadership.

Only offered at Ohio State's regional campuses, the Bachelor of Science in Engineering Technology includes hands-on lab experience and the opportunity to participate in undergraduate industry research. Coursework includes both mechanical and electrical engineering components, as well as a focus on leadership and the latest technology in automation and networking.

The first year of the engineering technology curriculum has been specially designed to prepare students for the engineering technology program or any other engineering major at Ohio State.

Salaries for engineering technology graduates average between \$80,000 and \$87,000 annually. The new program can be completed entirely at Ohio State Newark and will be available in autumn semester 2023.

Scholarships Offer an Affordable Option

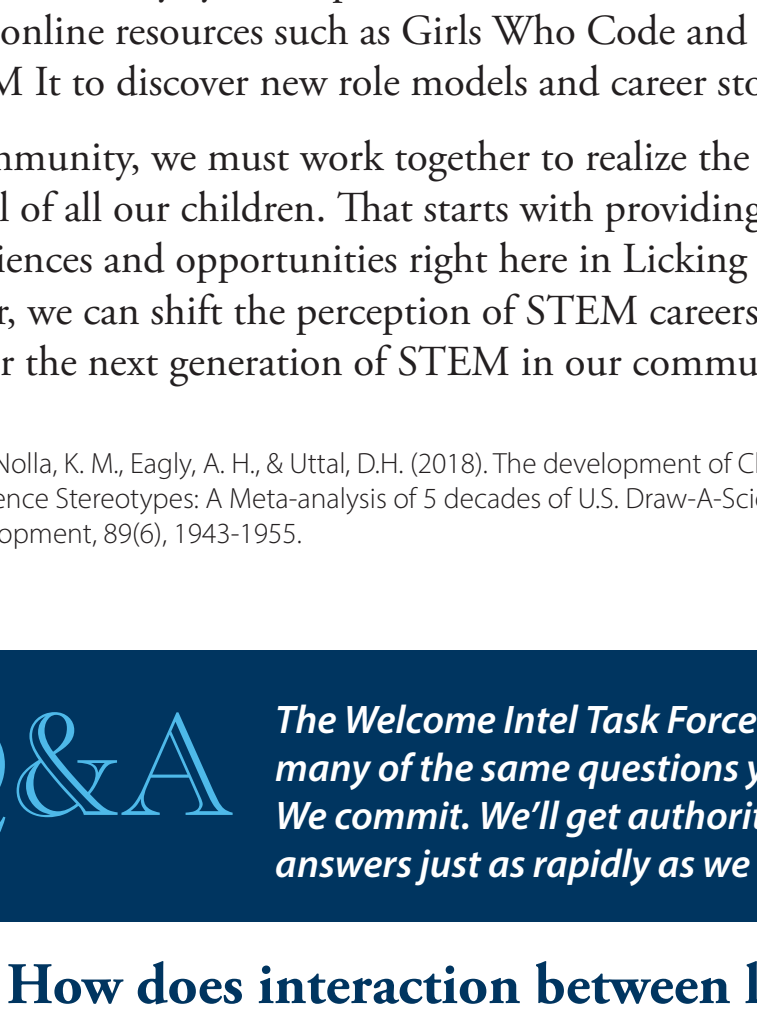
COTC and Ohio State Newark offer more than \$2 million in scholarships annually, making college an affordable option for a broad range of students. In Licking County, the Heath-Newark-Licking County Port Authority STEM Scholarship will provide financial assistance to students at COTC and Ohio State Newark who are from Licking County and pursuing STEM degrees. It will also benefit individuals who work at any business located on the Port Authority's Central Ohio Aerospace and Technology Center campus and employees' families.

STEM Advice for Parents

by Dr. Meghan R. Federer
Assistant Director, The Works: Ohio Center for
History, Art, and Technology

Close your eyes for a moment and imagine a scientist, an engineer, or even a technician. What do you see? Or perhaps more importantly, whom do you see? Who do your children see when asked this question?

We live in a rapidly evolving community with an increasing demand for candidates to fill Science, Technology, Engineering, and Mathematics (STEM) career pathways. A brief search brings up more than 4500 jobs in STEM fields currently posted within Licking County. Yet, only 28% of young children, on average, envision and draw female scientists, engineers, and technicians¹. As Millers' (2018) study notes, this is much improved from the average of 1% documented in the 1960s; however, current research still supports that the tendency to gender stereotype increases with age. Younger children are more likely to represent STEM careers as 50/50 male and female, but by the age of eight, they are more likely to represent the same careers as male.

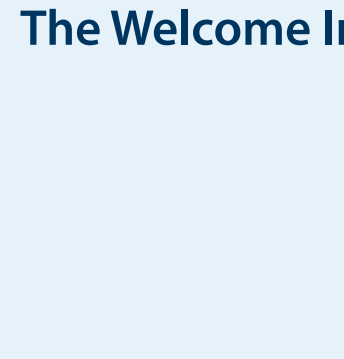


Two young girls participate in a STEM activity at The Works: Ohio Center for History, Art, and Technology.

So how do we, as parents, teachers, and role models, change the face of STEM in our community? How do we empower young women to pursue an interest in STEM? A simple recommendation? Exposure. A key step to imagining yourself in a role, be it a classical hero/heroine in an adventure story or scientist in a research lab (or both!), is to see yourself represented in those fields. In other words, we need to see it, to be it. Being intentional about representation in the books, posters, and other resources that your children explore allows them to see themselves in these roles. Take advantage of the free or low cost STEM activities available in our community through the library systems, park districts, and The Works. Explore online resources such as Girls Who Code and See It, Be It, STEM It to discover new role models and career stories.

As a community, we must work together to realize the full potential of all our children. That starts with providing a variety of experiences and opportunities right here in Licking County. Together, we can shift the perception of STEM careers and empower the next generation of STEM in our community.

¹Miller, D.L., Nolla, K. M., Eagly, A. H., & Uttal, D.H. (2018). The development of Childrens Gender-Science Stereotypes: A Meta-analysis of 5 decades of U.S. Draw-A-Scientist Studies. Child Development, 89(6), 1943-1955.



The Welcome Intel Task Force has many of the same questions you do. We commit. We'll get authoritative answers just as rapidly as we can.

Q: How does interaction between local governments in Ohio work?

A: Communities work best when they work together.

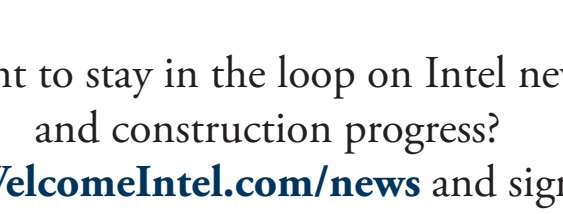
Amid constantly changing circumstances, communities across Ohio continue to successfully compete for jobs, development projects, borders – and even bragging rights – that sometimes challenge the ability of political subdivisions and their leaders to work in a collaborative manner, without losing sight of the forest for the trees.

Much like relationships in our personal lives, there are certain principles that local government leaders can use to create the building blocks of trust and long-term working relationships.

The principles consist of the most fundamental hallmarks of effective communication skills, such as: taking the time to communicate and understand each community's characteristics and priorities for the future; a commitment to building relationships; and an appreciation for the understanding that to be truly successful, there must be an enduring commitment to work together.

These basic principles will be a significant driver for the future success of all areas of our state.

by Kent Scarrett, Executive Director, Ohio Municipal League



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