

# National Engineers Week

February 21-22, 2020



## Society of Women Engineers

### Plaza of Innovation

February 21, 10:00-2:00

Join student engineers from the Society of Women Engineers of the University of Michigan-Dearborn, and explore how acoustics, vibration and pitch impact sound by creating a harmonica.

## Michigan Department of Transportation

### Plaza of Innovation

February 21 & 22, 10:00-2:00

Join engineers from MDOT to build and test your own bridge.

## Kettering University

### Plaza of Innovation

February 21 & 22, 10:00-2:00

Come experience autonomous vehicle technology in a tabletop size. Draw your own track for vehicles to follow and learn about sensors.

## Make Something: Saturday

### Across from Mathematica

February 22, 10:00-3:00

Explore the many uses of soy, an alternative protein promoted by George Washington Carver. Use your scientific skills to make a crayon from natural pigments.

## Elijah: The Real McCoy

### Across from Mathematica

February 22, 12:00, 1:00 & 2:30

Learn about fascinating inventor Elijah McCoy in this 15-minute dramatization. His most important inventions were the automatic lubricating cup in 1872 that revolutionized the industrial machine industry and the graphite lubricator in 1915. Your imagination will travel through eight decades as you discover why his life and work remain an inspiration to this day, and how one of his 57 patents got trains into the station ahead of time.

## Corliss Steam Engine Demonstration

### Made in America: Power

February 21 & 22, 1:30

Our 1859 Corliss steam engine is the only engine built by the Corliss Steam Engine Co. during inventor George Corliss' lifetime to have survived. Generating 300 horsepower, it served more than 60 years as the central source of power for some dozen independent workshops in Providence, Rhode Island. Learn how ingenuity was used to create an optimized power source. Watch it run!

## Must-See Artifact: Macintosh 512K Personal Computer

### Your Place In Time

In 1984, the Apple Macintosh became the first popular personal computer to feature the now-ubiquitous mouse and "graphical user interface" desktop. Despite the Mac's relatively high price, its user-friendly features helped it demystify computing for many people without a technical bent. This computer is a Macintosh 512K, released in 1985 with increased memory.

# BUILD YOUR FUTURE WITH MDOT

The Michigan Department of Transportation (MDOT) employs a diverse group of talented and innovative individuals in a wide variety of professions, including engineering, finance, administration, business, maintenance and more.

MDOT also is dedicated to training, mentoring and creating awareness of transportation career opportunities for young people through programs such as the Youth Development and Mentoring Program, the Student Internship Program and the Transportation and Civil Engineering Program.

 [Learn more at Michigan.gov/MDOT](https://www.michigan.gov/MDOT)