

Hands-on labs exploring topics from bridges to EVs.

Live-streamed by engineering experts.

Our lab day events offer students the opportunity to learn, ask questions, and interact directly with some of engineering's brightest leaders.

Events will be 10am–1pm ET
9am–12pm CT • 8am–11am MT • 7–10am PT
Unless otherwise noted

[Sign Up Now](#)

2024 SCHEDULE



Bridges

Building Structures that Last

Avery Bang
Senior Principal, Mulago Foundation



Sep. 25



International Day of the Girl

Smart Circuits: Building
Programmable Electronics

Miral Kotb
iLuminate, Artist and Entrepreneur



Oct. 11



Biomedical Engineering

Using Light to Cure Disease

Bill Woodburn
Engineering Tomorrow and a Founding
Partner of Global Infrastructure Partners



Oct. 23



Product Engineering

3D Printing and CAD

Aalap Herur-Raman, MD, MS
VCU Health



Oct. 30



Renewable Energy

Building Solar & Wind Systems

Dr. Frank Fish
Professor at West Chester University
of Pennsylvania



Jayanthi Iyengar
EVP, Chief Technology &
Strategic Sourcing Officer, Oshkosh



Nov. 13



Genetics

Diagnosing Disease with Bioinformatics

Sarah Syed
Graduate of the Massachusetts
Institute of Technology



Viktoriia Kyrychenko
Senior Scientist at CRISPR Therapeutics



Nov. 20



Astrodynamics

Exploring Space & Developing
Launch Vehicles

Camille Bergin
Aerospace Engineer, The Galactic Gal



Dec. 04



Cybersecurity

Protecting Data with Encryption

Kalyani Pawar
Security Engineer at Zipline



Dec. 11



Entrepreneur Magic Show

Adam Cheyer
Inventor, Entrepreneur and AI Engineer



Dec. 18



Software Engineering

Building an App Using MIT App Inventor

Gina Brusco

Software Engineer at Captial One

Jan. 08



Special Pop-up: Valentine's Day

Ignacio Quintana

Partner and Managing Director at MGX

Feb. 14



Paris Martin

Chief Technologist at Booz Allen Hamilton



Clean Water

Filtration Systems & Water Conservation

Natalie Celmo

Senior Program Engineer at
Engineers Without Borders

Jan. 15



Melissa Montgomery

Chief Programs Officer at Engineers
Without Borders



Brooke Poppe

Program Engineer at Engineers
Without Borders



Optimizing Networks

The Traveling Salesman Problem

Feb. 19

Rakib Jamil

Data Science and Product Manager, NBA/WNBA



Robotics

Intro to Coding & Virtual Robot Navigation

Josh Geating

Atlas Actuation Lead, Boston Dynamics

Jan. 21



Astro dynamics

Exploring Space & Developing Launch Vehicles

Mar. 04

NASA Astronaut

Pending Launch Schedules



Pharmaceuticals

Designing & Producing Effective Medicines

Maria E. Lopez Marino

Operations Senior Manager at Amgen, Inc.

Jan. 30



Emma O'Shea

Biomedical Engineer at E-Nable



Kristine T. Budill

Engineer and Educator



Medical Devices

3D Printing for Prosthetics

Mar. 12

Dr. Ibrahim Tarik Ozbolat

Biomedical Engineer and Professor



Aminat Ibrahim

Biomedical Engineer



Green Hydrogen

Exploring Hydrogen Power & Electrolysis

Adria Wilson

Director at Breakthrough Energy

Feb. 05



Sound and Acoustics

Mitigating Noise Pollution

Mar. 19

Ola Jegede

Aerodynamicist at Mercedes-AMG Petronas
Formula One Team





Remediated Sites

Decontaminating and Restoring
an Environment

Noel Blackburn
DEI Officer at Brookhaven National Laboratory



Apr. 02



Semiconductors

Electroplating and Integrated
Circuit Production

Olivia Jaenicke
Optical Production Engineer at ASML



May. 07



Earth Day

Electric Vehicles: Building & Racing Your Own EV

Telva McGruder
Executive Director, Global Body
Manufacturing Engineering, General Motors



Apr. 23



Bridges

Building Structures That Last

Nicola Turrini
Senior Manager at Bridges to Prosperity



May. 21



Aerodynamics

Airplane Design & Optimization

Janelle Wellons
Senior Mission Operations Engineer at ispace



Apr. 30

WHAT IS A LAB DAY

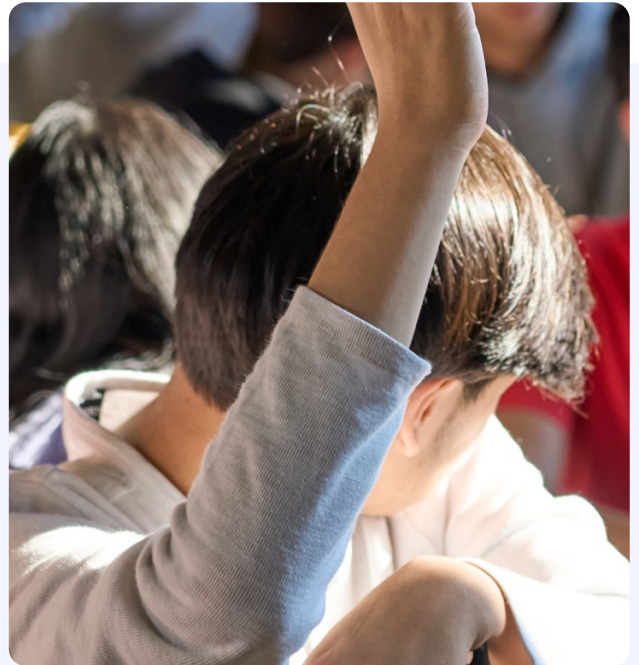
Lab Days are live, virtual field trips.

Your students will come together virtually with other classes all over the country to learn about a specific topic in engineering and complete their own related projects.

Participate live for the event – or attend as much as you can and watch the rest on demand.

Lab Days feature time for students to interact with college engineering students and professional engineers!

[Sign Up Now](#)



SCAN QR CODE TO SIGN UP NOW!

To introduce your students to a life of
engineering, call 917.334.4126 or email
contact@engineeringtomorrow.org.

[ENGINEERINGTOMORROW.ORG](https://www.engineeringtomorrow.org)