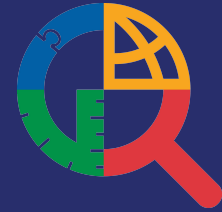


CASE STATEMENT



Engineering Access for Everyone

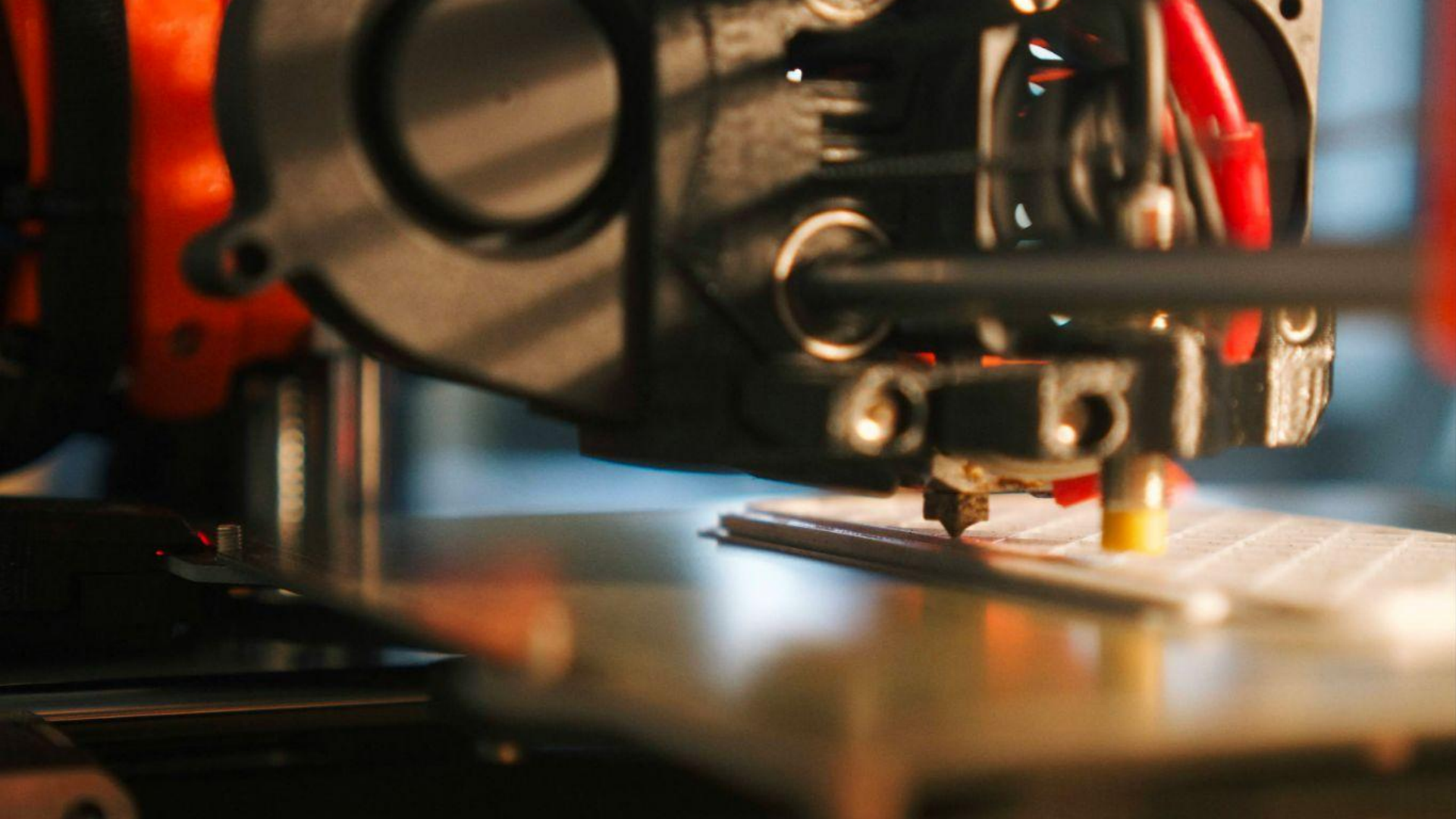
engineering
for us all



ENGINEERING ACCESS FOR EVERYONE



Engineering for US All (e4usa) is a national initiative working to meet a rising need for engineers by creating career learning opportunities for high school students in communities across the country.





It Doesn't Have to Be Rocket Science

For many high school students, engineering has been perceived as a complicated, expensive, and intimidating field to enter.

We aim to change that.

e4usa is the most teachable, most affordable, most researched and most accessible high school engineering program in the country. We've removed the need for traditional prerequisites and resources in order to introduce engineering to high school students, regardless of their technical experience. Just a bit of knowledge in Algebra 1 and some supplies from around the classroom is all that's needed to begin a program.



Work Together, Solve Problems, Engineer a Better World

e4usa curriculum is introductory and inclusive by design. We offer three turnkey courses carefully crafted to excite students about engineering, and ignite their imagination for solving real-world problems.

e4usa+Making

This course introduces students to engineering, and contextualizes math and science as tools for creative problem solving.

e4usa+Programming

An introductory course on software development and design principles.

e4usa+Design

Our capstone course, is a project-based experience that leads students through a collaborative and multi-disciplinary effort to engineer solutions that meet real needs in their community.

e4usa+Legacy

An accelerated course for advanced students focused on developing engineering solutions for community partners.



Solve Problems, Work Together, Engineer a Better World

Our curriculum delivers industry-relevant skills and education packaged specifically for high schoolers of any grade and teachers of any subject.

Each course package includes assessments and recommended activities, and are supplemented by professional development and ongoing support for teachers—all backed by years of research, and aligned with ITEEA and NGSS standards.

e4usa programming also provides eligibility for college credit thanks to our nation-wide network of university partners.

Solve Problems, Work Together, Engineer a Better World

A History teacher in Maryland helped students design wheelchair-accessible sports equipment

READ STORY



A teacher and liaison pair in Tennessee develop a five-year partnership with Nashville Zoo

READ STORY





Backed By The NSF, With Support From A World of Partners

What started as a research group working to standardize engineering learning grew into the country's leading initiative in pre-college engineering education. e4usa has linked arms with schools, universities, and community partners across the country to cultivate a robust engineering community and create broader pathways for the next generation of engineers.

7700+ Students

100+ High School Partners

25

**States
and
Territories**

39

**University
Partners**

Backed By The NSF, With Support From A World of Partners

Vanderbilt partners with NSF's
e4usa to bring engineering to
Tennessee high schools

SEE CLIPPING



Ghana Education Service
partners with e4usa

WATCH STORY



Create Broader Pathways for the Next Generation of Engineers



As we continue to expand our reach, we aim to deliver on our promise for making engineering accessible, affordable, and inclusive to everyone. We believe that engineering is a field for anyone, and that the world benefits greatly when there is diversity of voices, backgrounds, and perspectives represented in the field.

We're not just empowering students to become future solvers of the world's greatest challenges. We're fostering a culture of innovation that reflects the diversity of our society.

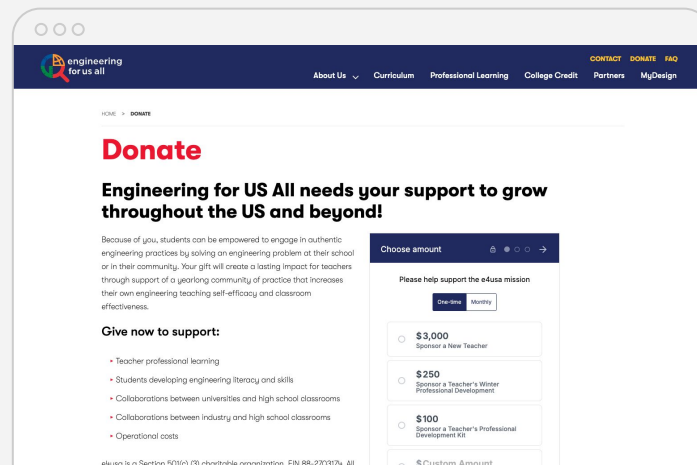


Become an e4usa Sponsor and help us recruit more schools

We are working to expand our reach and increase access for more schools in the next year.

A number of existing grants provide financial support for teacher sponsorships and curriculum development, but we are looking for unrestricted funding to support our team as it grows.

Donate at
e4usa.org





engineering
for us all

e4usa.org