

EAST is a community service-based elective course in the K-12 environment

6,766
Number of students trained across more than 110 unique training opportunities both in-person and online

1,265
Number of community partners across all programs

17,710
Hours that community partners volunteered to work with students

\$563,178
Economic impact realized through hours volunteered by community partners

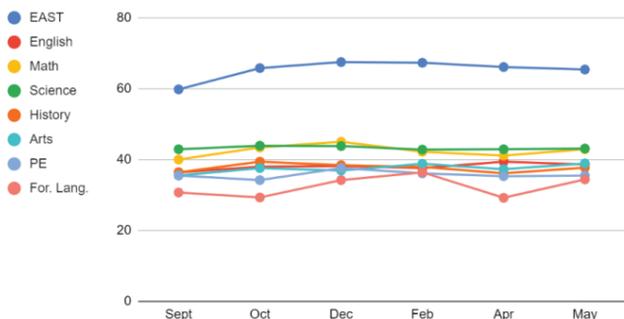
Engaged students learn more

Measuring EAST's impact through the Wellington Engagement Index

- Students are the experts when it comes to their educational experience
- Student feedback provided by the Wellington Engagement Index (WEI) gives administrators and educators valuable opportunities for reflection as they challenge students to solve real community problems
- Students reported their EAST experience was 22.5% more engaging than any core course

K-12 Aggregate Student Engagement by Course

Percentage of EAST students who describe their educational experience as Engaged.



Training available to all EAST students

More than 27,000 hours of student training delivered last year including:

- **3D printing** - Troubleshooting & CAD Fundamentals
- **Animation** - Virtual Reality & Unreal Engine
- **Design/Development** - IOS & Android with MIT App Inventor
- **Geospatial** - Drone 101, Laser Scanning, ArcGIS
- **Photography & 2D Design** - Adobe Photoshop, Illustrator, In-Design
- **Soft Skills** - Public Speaking, Project Management



Technology utilized in EAST classrooms

- Animation/CAD/Solid Modeling/Visualization
- Audio/Music Composition, Editing & Production
- Game Development, Simulations, VR
- Graphic Design
- GIS Software, GPS Hardware
- Peripherals & Printers
- Photogrammetry
- Programming, Coding, Web Development
- Video, Photography, 360 Action Camera
- Workstations & Mobile Devices

EAST Conference

MARCH 18-20, 2025
HOT SPRINGS CONVENTION CENTER

Visit EASTconference.org to join the celebration of technology and service in 2025!



Logo designed by Alyssa Jones of Murfreesboro High School



The EAST MISSION

To provide an environment that fosters relevant, individualized life-changing experiences through service and technology.

The EAST VISION

To transform the educational experience so innovative thinkers can drive positive change for their future, community, and world.

Collaboration leads to a profound impact for a small town

Stephanie White is busy crushing stereotypes of what mayors should look and act like in this tiny Arkansas Delta town, and, really, unorthodox is where she thrives.

When White needs extra hands for activities around Keo, Arkansas - activities that vary from writing grants to bringing broadband to this town of 207 to helping plan a community festival or to beautification projects downtown - the mayor texts JR Deniz, the EAST facilitator at England High School. Because kids who live in Keo attend school

five miles down Highway 70 in the England district, partnering with that school district just made sense to both White and Deniz.

"They are capacity builders for me," White said. "They've painted crosswalks. They've made commercials. They're out helping us promote events. They've even GIS mapped the city's water lines - and the list goes on and on."

Almost 30 years ago at Greenbrier High School, EAST Initiative was born and built on four pillars that continue to guide programs and the organization, including being

technology driven, service based, student led and collaborative. Deniz said that making sure his students keep these four principles in mind

when working with community partners like White has helped grow his students in ways he never dreamed.

"Keo has made such an impact on my EAST kids," Deniz said. "It's allowed them the opportunity to succeed as well as fail, and that's necessary for growth. Working with Keo has helped my program achieve in ways we may not have been able to without Mayor White's help."

That impact, White said, runs both ways. "The impact EAST has on our community is so profound," White said. "If you want to know what the future looks like, invite EAST students to visit your community, ask them for their ideas, and then empower them to work on real world needs."



Creating accessibility through technology

Maegan James' plate last fall was already full.

She had really only learned to use a 3D printer at the beginning of the school year. The Calico Rock High School EAST student was busy creating a 3D printed sensory pad for nursing home residents when the chance to make a difference at her school for one visually impaired student presented itself.

"We thought it would be neat to add Braille to the sensory pads for the nursing home residents. It was brought to our attention that the classroom signs in our school didn't have Braille on them," Maegan said, noting that this was a concern because a legally blind

student attends the school.

A revision to the Americans with Disabilities Act requires that public buildings be accessible and functional for individuals with disabilities. Since Calico Rock High School was built before this revision in 2010, the classroom door signage did not include Braille.

The students reached out to their school administrators about the lack of Braille signage, who gave them the green light to research what it would take to bring Braille to the door signs. Maegan said they learned quickly that the costs of purchasing the signs was higher than they expected.

Using the Bambu Lab X1 printer their teacher received at a training with MatterHackers and EAST Education Unleashed earlier that year, the students have completed 3D printing all the signage for the high school and are in the process of printing signs for the elementary and pre-school. This project required the students to use the problem solving skills they learned in EAST to ensure the project was done in compliance with the ADA.



MatterHackers
www.matterhackers.com

EAST BY THE NUMBERS



- **315,000** self reported hours of Community Service were completed by EAST students last year
- **250** programs in three states
- **17,220** students served
- **250,000+** students served in our 28 years
- **8,109** hours of professional development delivered to educators
- **\$100,000** worth of equipment given away through Education Unleashed
- **3500** attendees at EAST Conference
- **40** breakout sessions for students & networking during EAST Conference