

STEM-ON-THE-GO EXPERIENCE

VISION



STEM-on-the-Go provides **access to all learners** in a mobile fabrication lab where they can **apply what they are learning** in school to **project-based solutions**. The space is an incubator for thinking and building in creative ways.

3 TIERS



TIER 3



IMAGINE, DESIGN, BUILD AND INNOVATE

TIER 2



IMAGINE, DESIGN AND BUILD

TIER 1



IMAGINE AND DESIGN

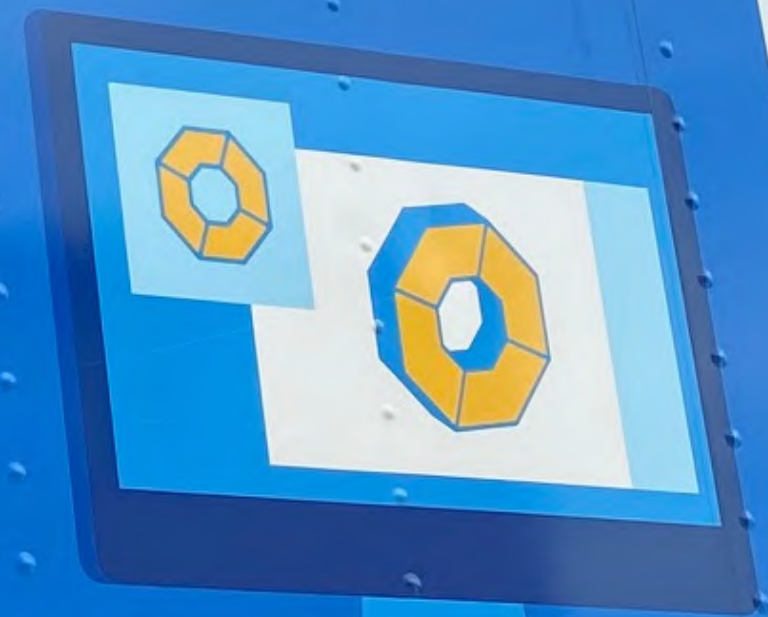
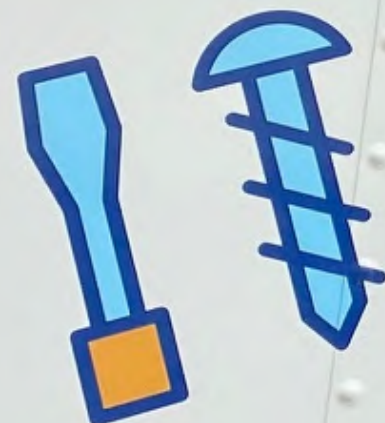
The Digital Fabrication Lab uses a three-tiered developmental approach, which encourages students to relate content to application.

ACTIVITIES

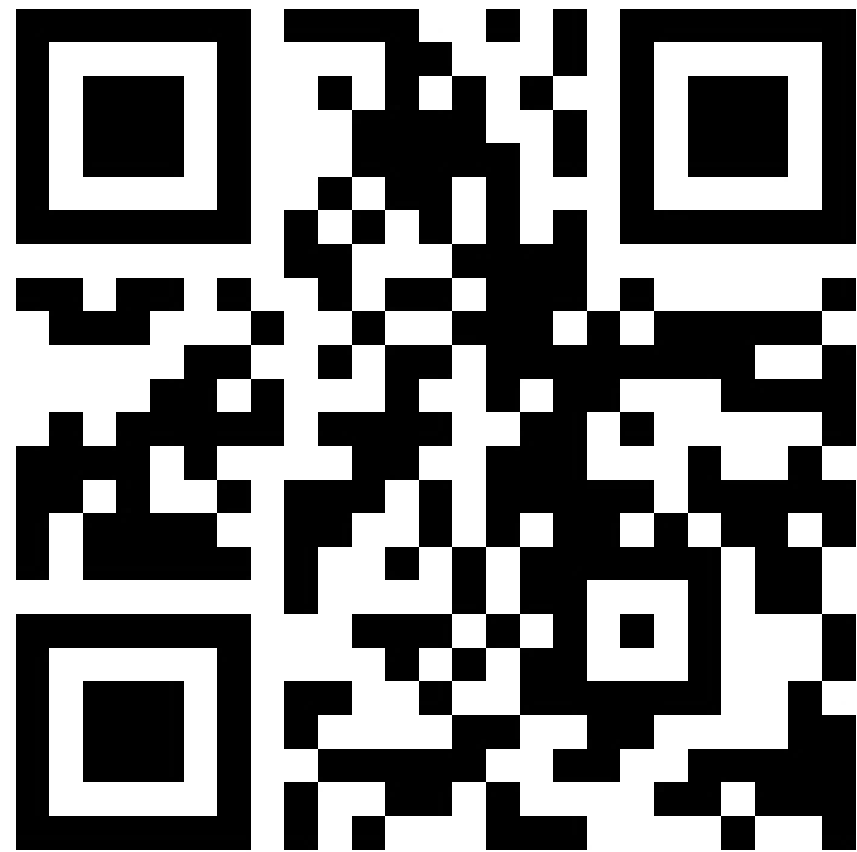
Offer a **collaborative space** where students can achieve from **imagination to invention**

Allow students to **think** about their work in both **abstract and concrete ways**

Use **project-based learning** to complement the work in the classroom



INTERESTED IN LEARNING MORE?
PHOTOGRAPH THE BELOW QR CODE:



<https://qrgo.page.link/8FpdL>



STEM-on-the-Go Digital Fabrication/Machining Van

In partnership with RTI and DSEC (Defense STEM Education Consortium), TIES (Teaching Institute for Excellence in STEM) operates the STEM-on-the-GO Mobile Digital Fabrication/Machining Van.

The van is available to schools, districts, and communities to provide hands-on STEM experiences. Customized visits, from one-day to two weeks are aimed at opening students' and educators' eyes to digital fabrication technology, the Engineering Design Process, and STEM careers.

All STEM programming is led by the Mobile Fabrication Lab Manager, a Marine Corps veteran with a B.A. in Middle School Education from the University of North Carolina.

If you are interested in learning more about the STEM programs offered as part of a STEM-on-the-Go visit to your school or community event, please complete this interest form.

