

This is the slide deck from a Statewide Conversation on August 7th by the STEM Innovation Network

These are up and going STEM Trailers. If you want more information, please contact the person listed or pcarden@nmsu.edu

NM STEM Trailers



Think Make Create (TMC) Lab at INSPIRE (Taos)

- TMC Lab donated to Northern NM in 2024
- Placed at [INSPIRE](#) in Taos with plans for them to use it at community pop-up events and in their programs throughout the region (Taos, Questa, Red River, etc.)
- Gave them the ability to incorporate STEM learning activities
- INSPIRE's trailer materials are geared towards early childhood and elementary age activities

[TMC Lab](#) project started with the Nebraska afterschool network and the program has been expanded by the [Idaho](#) network in partnership with their 4H extension and includes curriculum and teacher training.

The "Lab" is a 6x12 foot trailer that can easily be transported for use at [OST] program sites and community-based learning sites. The interior of the trailer has been specifically designed to maximize storage of supplies and projects. Tinkering and making occurs outside of the trailer--either outside the trailer utilizing TMC tables and pop-up canopies or inside. TMC Labs are designed to be a low-cost entry point for youth to tinker, explore, and problem solve while helping to promote long-term sustainability for rural [OST] programs.

Please contact pcarden@nmsu.edu for who to contact.



¡vamos niños!



Andy Triviz
Vamos Niños Facilitator
ANDY@NGAGENM.ORG
(575) 618-2774

www.vamosninos.org

NMT MechE Mayhem STEM Lab

- Mission
 - STEM learning through interactive storytelling
- Trailer Resources
 - 2 Mobile Robotics help desks (30ft and 40ft)
 - 1 20 ft Mobile Robot combat arena
 - 2 Event Supply Trailer (12 ft and 16ft)

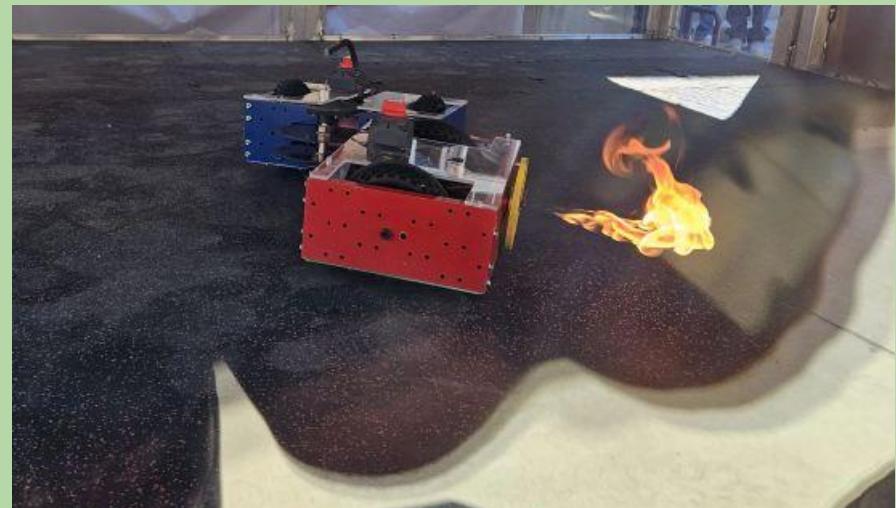


Request NMT MechE Mayhem STEM Lab Support for an Event - Link Below

https://docs.google.com/forms/d/11-omfj1UhUBA9SN9OTpzDpB2awO_mWhtsfP9QRnrQ6E/edit

MechE Mayhem Robot Combat Trailer

- Robot Combat Tournament Event Space
 - Multiple sizes based on event venue and robots being demoed



MechE Mayhem STEM Lab - Off Campus Event Support

- Robot Combat Areas for Competitions and Showcase Events (various sizes)
- Interactive Workshops
 - Arduino
 - Robot Combat
 - Programming
 - AI programming - Spring 26
 - Automation - Spring 26
 - High Speed imaging
- Collegiate Design Showcase
 - Baja Vehicle Design-Build-Test
 - Aero Projects (Rocket, Drone, Aircraft)
 - NASA Minds and NASA Lunabotics



Questions - mechanical.outreach@nmt.edu

Challenge: Tomorrow

 by Los Alamos National Laboratory

- Website: m.lanl.gov/ct
- What resources do they have - 4 hands on sections in each trailer about different STEM activities at LANL such as Space, Materials/nanotechnology, Health, Earth science, PPE, Health, Glove box, and Radiation Detection
- What are the areas/people served? K-12+ can be used for student learning/inspiring love of STEM or recruiting for jobs at LANL. Completely paid for by LANL.
- POC: Katie Salas ksalas@lanl.gov or info.challengetomorrow@lanl.gov

Trailer designed by TDS Exhibits





Available Resources

- Robotics
- Engineering
- VR/AR
- zSpace
- Maker Space

Request Basis

<https://stemcenter.nmsu.edu/outreach/index.html>



STEM Trailer At Your Event



NMSTA STEAM Summit 2025

CALL FOR PROPOSALS
(proposals due by September 19th, 2025)

October 18th 2025
Cleveland High School – Rio Rancho

THEME 01
STEAM HAVEN
emphasizes multidisciplinary learning by applying knowledge and skills from multiple disciplines (science, technology, engineering, arts, math, humanities, computer science, and others).

THEME 02
MULTI-DIMENSIONAL HIGH QUALITY INSTRUCTION
focuses on teaching for sensemaking, phenomena-based learning, high-quality instructional materials, while using connections to literacy, math, and science as well as other content areas.

THEME 03
PLACE-BASED INNOVATION
deepen engagement and relevance for educators and students using every environment as a platform for learning, including outdoor and place-based learning opportunities and out of school time.

THEME 04
EQUITY, INCLUSION, AND SUSTAINABILITY
prioritizes equitable access for all students, supports emerging multilingual learners, and leverages sustainable practices to support educators and students.

FORMATS
THE FORMAT OPTIONS FOR SESSIONS ARE:

- 50 or 110 minute Interactive Workshop
- 50 or 110 minute Traditional Presentation
- Poster Session

EMAIL QUESTIONS :
conference@nmsta.org
<https://tinyurl.com/NMSTA-2025-Proposal>

SCAN ME!

