

WVDE/WVU STEAM Technical Assistance Center (TAC)



at West Virginia University

Our Mission and Goals

Serving public schools grades 6-12 (currently focusing on grades 6-8)

Provide Students..

- Emphasize design thinking to solve a real-world challenge
- Inclusive - designed for all learners
- Gain skillsets to set them up for success in any field of study or profession

Provide Teachers...

- **Standards-based instruction**
- Model STEAM learning best-practices while leading hands-on lessons with teachers and students *simultaneously* in the classroom setting
- Follow-up lesson extensions focusing on cross-curricular topics
- Free educational materials
- Resources to help guide STEAM learning beyond the initial visit

Our STEAM TAC Team



at West Virginia University



Donna Peduto
Executive Director
WVPEC



Jennifer Schwertfeger
Program Manager
WVDE



Jen Robertson-Honecker
Faculty Liaison
WVU



Our STEAM TAC Team



at West Virginia University



Angela McDaniel
STEAM TAC Specialist
Barbour County



Melissa Bane
STEAM TAC Specialist
Hancock County



Cliff Sullivan
STEAM TAC Specialist
Fayette County



Anna Tucker
STEAM TAC Specialist
Harrison County



Our Reach (February – July 2022)



at West Virginia University



Middle Schools:
109



Participating
Teachers: **225**



Students
Impacted: 12,365





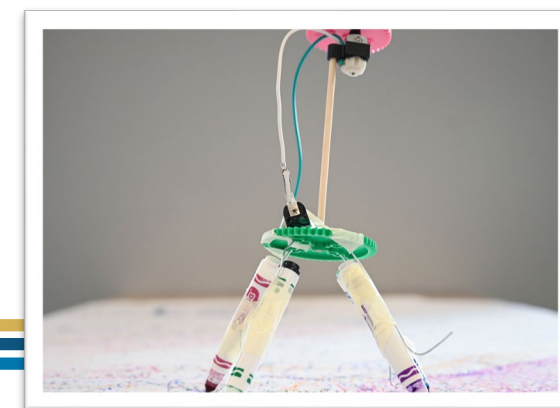
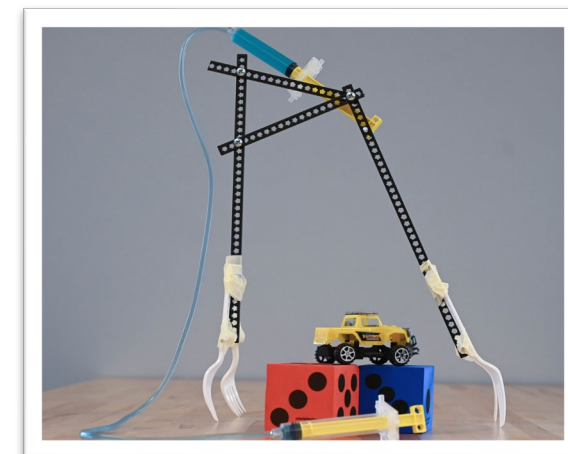
at West Virginia University

Our STEAM Curriculum

Immersion Experiences for grades 6-8

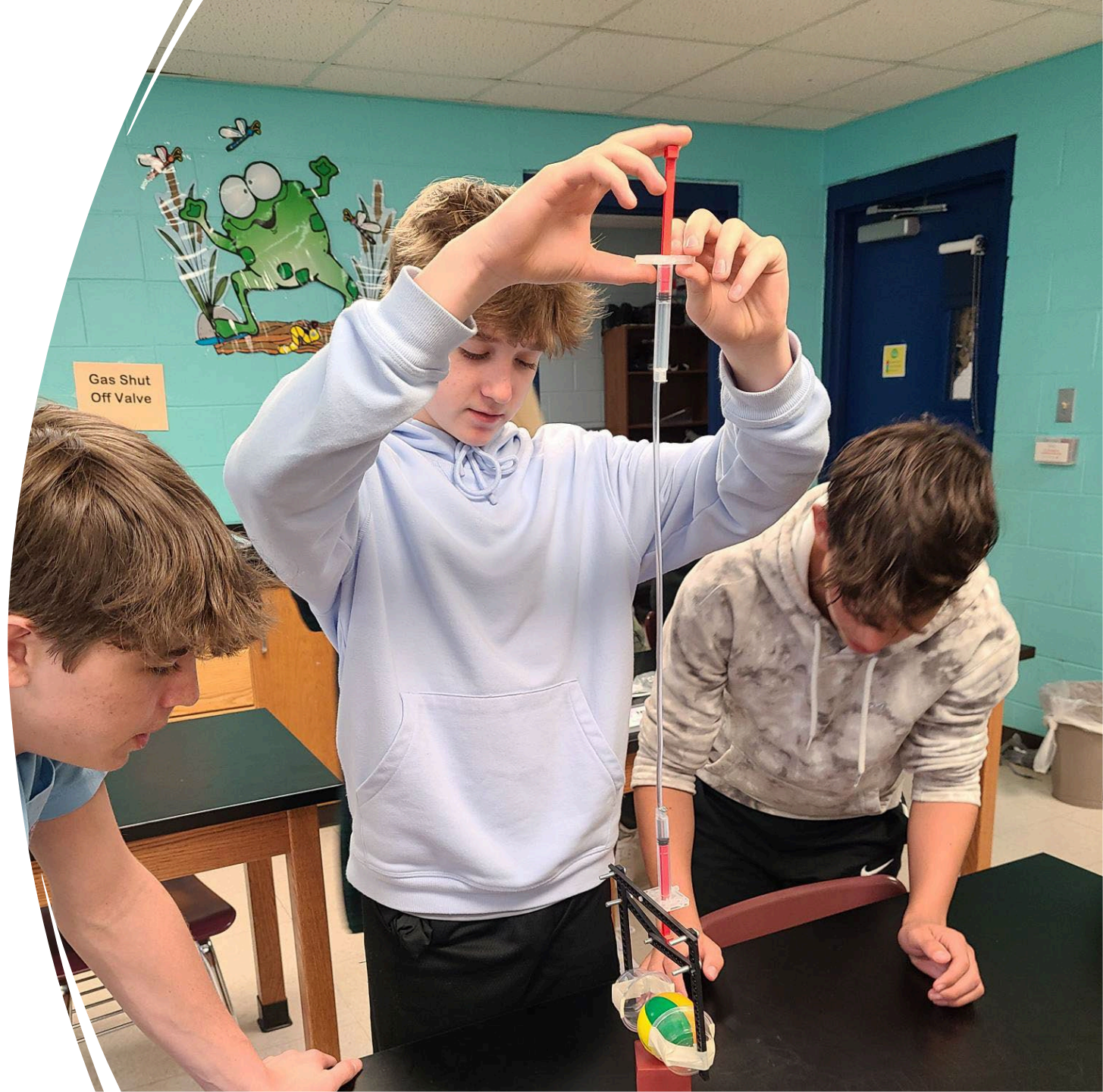
Foundation:

- Collaborative Engineering Design
- Hands-on, interactive
- Problem solving skillsets
- Critical thinking mindsets
- Interdisciplinary applications
- WV career opportunities
- STEAM experts
- Regional partnerships



Our Immersions in Action

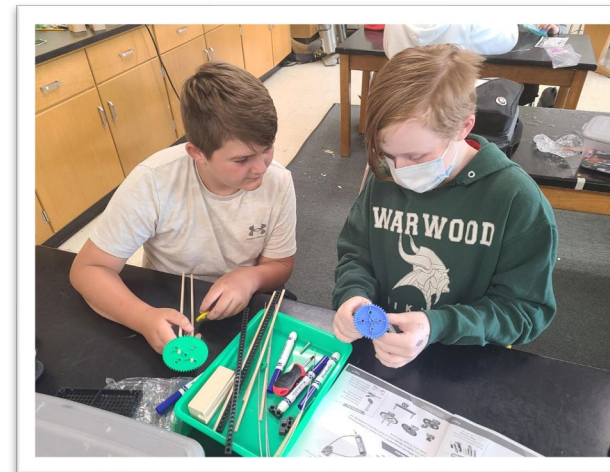
Let's Make Learning STEAMTACular



Our Immersions in Action



at West Virginia University



Our STEAM Teacher Network and Partners

- Build ongoing relationships with WV STEAM educators
- Provide materials and recourses for continuous classroom support
- TEAMS PLC Page
- Hold virtual gatherings to share STEAM TAC experiences and innovations





at West Virginia University

Our Progress – Fall 2022

Visits began on September 6

Registration trends:

- Returning educators
- Spreading the word to new teachers and new schools
- Requesting multiple-day visits

Visits scheduled to date: 110 through May 30, 2023





at West Virginia University

Our Future

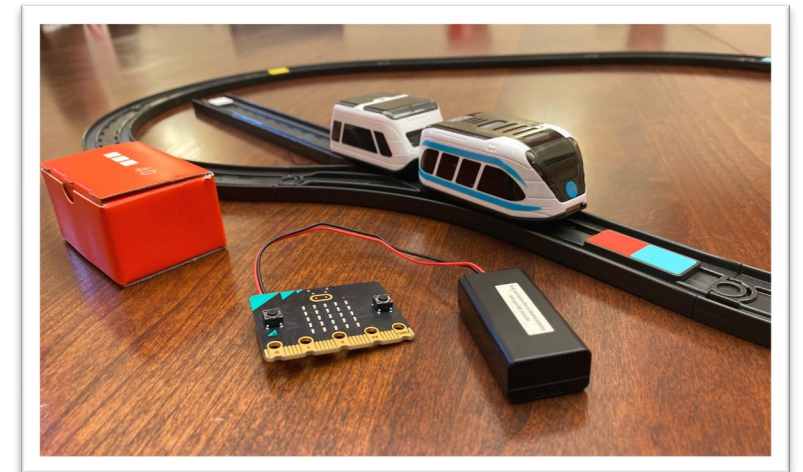
Development of High School STEAM Curriculum

Launching January 2023 for grades 9 and 10

Strong focus on Mathematics Content and Computer Science/Programming Skills

Immersion themes include:

- Next Generation Transportation Technologies in WV
- WV Agriculture Technologies – Agronomics
- WV Ecotourism – Science Behind Ziplining
- Seismic Activity in WV/GIS Exploration



Our Future



at West Virginia University

STEAM TAC Vans

WVPBS "EDUCATION STATION"



STEAM Technical Assistance Center

<https://steamtac.wvu.edu/>

[STEAM TAC Experience](#)

