



DO STEM

DAYTON, OH

The Ecosystem Equation:

Activating Partnerships for Authentic STEM Learning

July 15 , 2026

Kristin Bourdage

DIRECTOR, PROFESSIONAL LEARNING
AND PROJECT DESIGN

IPARTNERSHIPS FOR AUTHENTIC
LEARNING AND LEADERSHIP



JESSICA SHORT

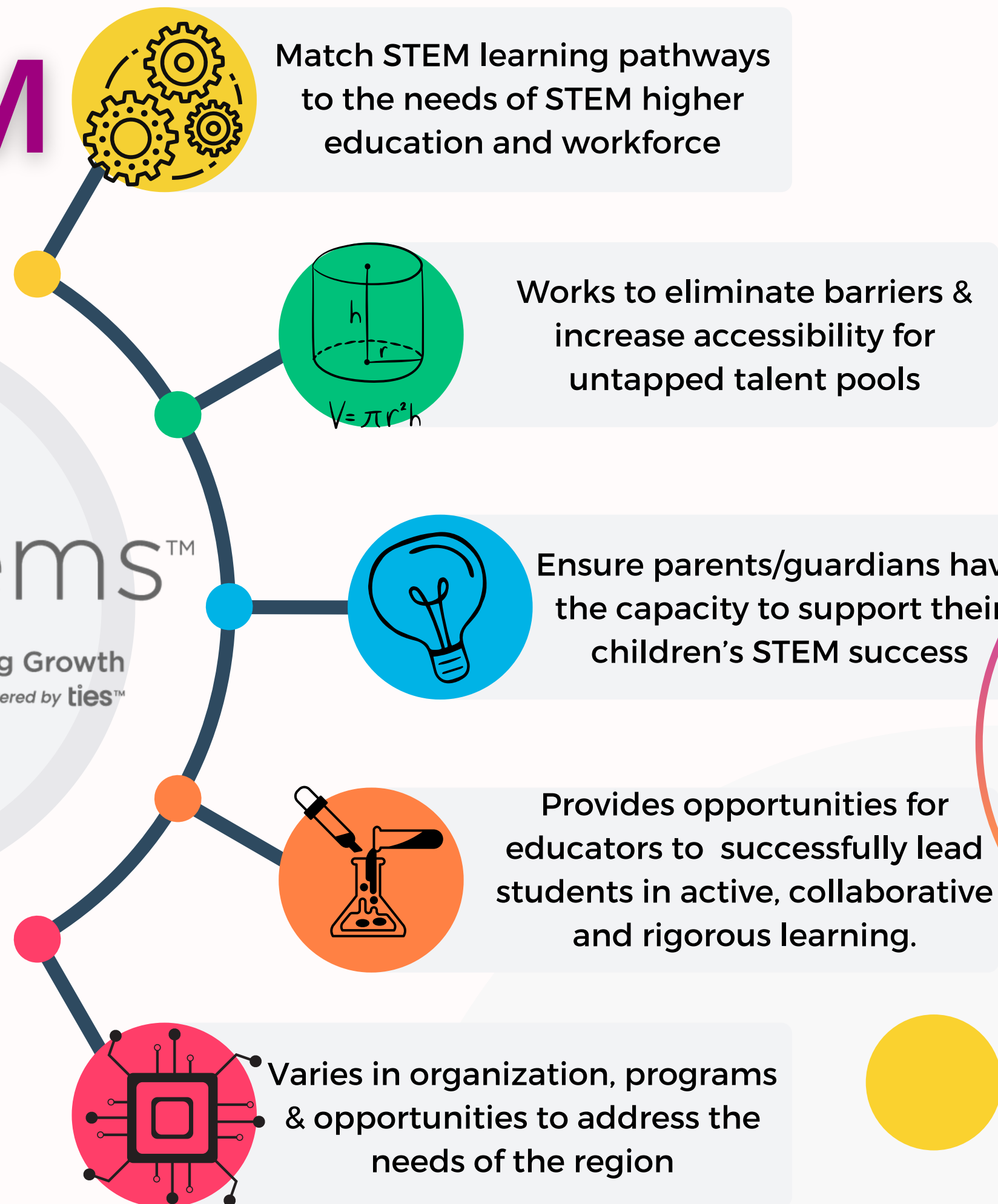
DIRECTOR/COO
DAYTON REGIONAL STEM
CENTER/DO STEM ECOSYSTEM



WHAT IS A STEM ECOSYSTEM?



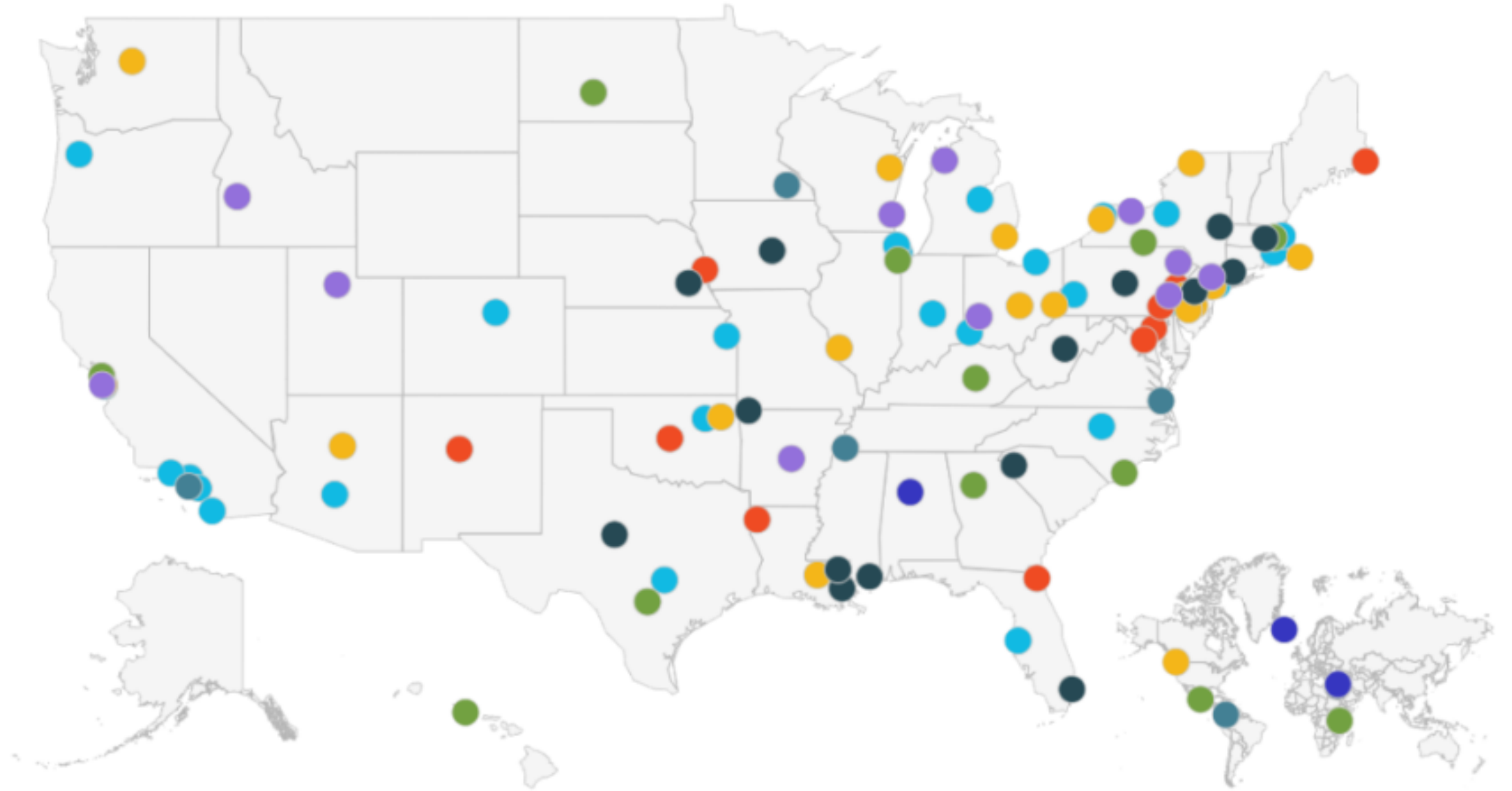
Since 2015, the STEM Learning Ecosystems is a Global Community of Practice with extensive sharing of resources and expertise among leaders from education, business and industry, non-profits, philanthropy and others.



Where We Are

Since its inception in 2015, the STEM Ecosystems initiative has grown to encompass almost 120 Ecosystems across the United States and internationally.

A first-of-its-kind global collaboration Ecosystems collectively serve millions, preparing all learners for emerging opportunities.



42M+

PK-20 LEARNERS IMPACTED

900K

PK-20 TEACHERS & INFORMAL EDUCATORS
IMPACTED

4.6K+

PHILANTHROPIC, BUSINESS & INDUSTRY
PARTNERS IMPACTED

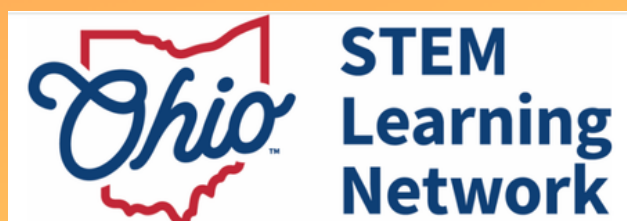
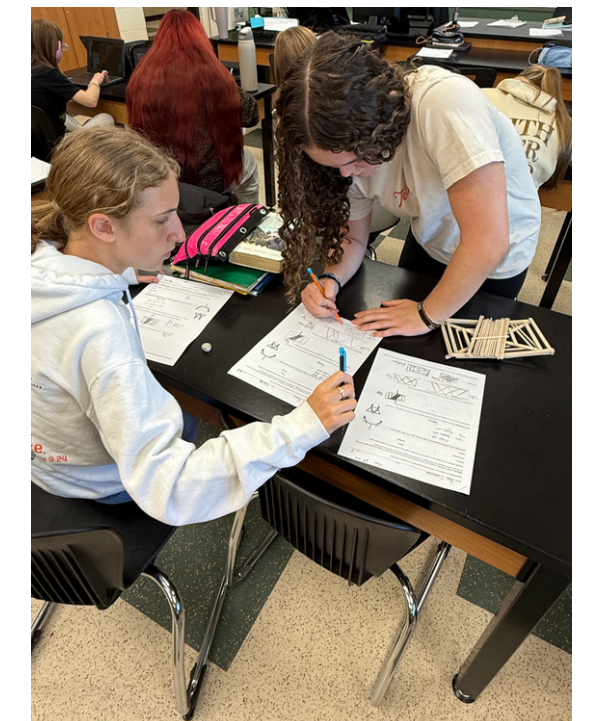


CONNECT WITH US



OUR CASE STUDY

Versailles Exempted Village Schools Darke County, Ohio

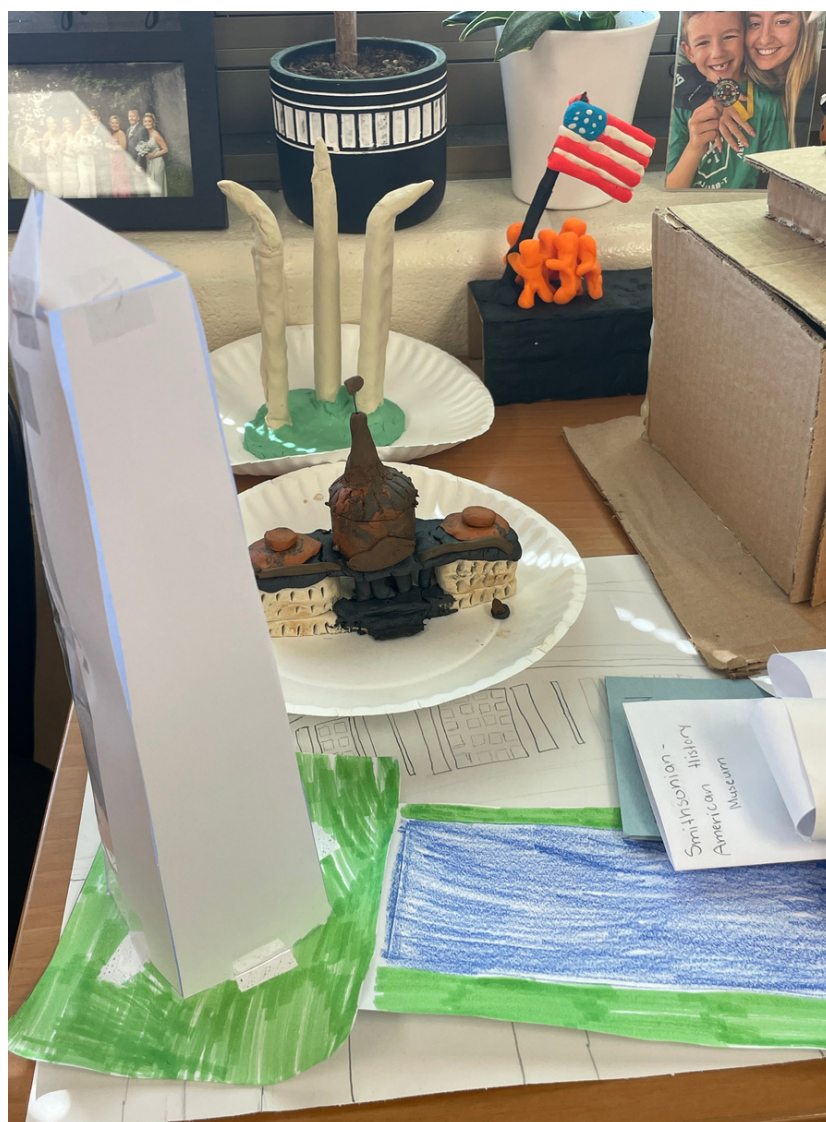
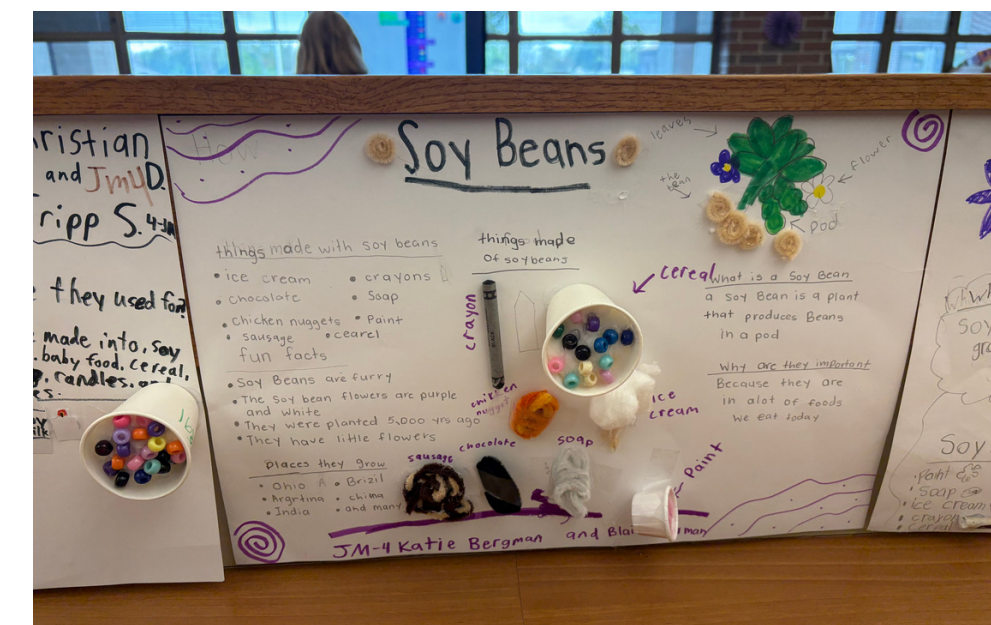


How can we, an authentic learning cohort, learn about and apply design thinking to a fourth quarter project in our classes?

OUR CASE STUDY IMPACT



**120 elementary
students**



**150
secondary
students**



THE POWER OF PARTNERSHIPS

THE ROLE OF "THE ASK"

11/17/25 for 1/10/26

Good afternoon, Jessica

I'm Kristin Bourdage, a design thinking consultant to Versailles Local Schools. I'm working with the teacher leadership team at Versailles, and we were recently awarded one of the **OSLN classroom grants**.

Our first step? To build criteria of "STEM-school" or "STEM-learning" traits that will inform Versailles' own STEM learning initiative. Would you have a moment this week for a **10-15 minute conversation** to discuss some ideas we have? If so, what are some good days and times for you?

Thank you,

Kristin

short
context
a call
accomm-
odate



Ecosystem EQUATION

Build the right connections to solve the challenge.

What To Do

1. Review the challenge at the center of your Ecosystem Map.
2. Explore the Partner Cards.
 - Each card represents a potential partner in your STEM ecosystem
3. Select Your Team
 - Choose up to 5 partners you believe are most critical to solving the challenge.
4. Build Your Ecosystem
 - Place your selected partners on the map and discuss:
What does each partner bring?
How do they work together?
5. Complete the Equation Statement

Your Mission

Every great solution requires the right team.

Your group has been given a real-world school or classroom challenge.

Your task is to
build an Ecosystem Equation — identifying
the partners and roles needed to solve it.

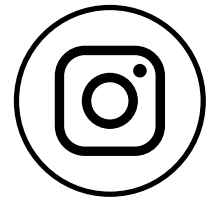
Share Out



Each Group:

- Share Your Challenge
- Partners You Leveraged
- Brief Proposed Solution





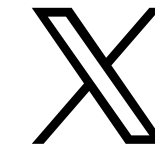
stem_do



DO STEM
Ecosystem



DO STEM



@stem_do

Connect With Us.



THANK YOU

JESSICA SHORT

Chief of Operations | DO STEM
Director | Dayton Regional STEM
jessica.short@mcesc.org | 740.649.0469



AGENDA



1:00pm-1:15pm: Welcome & Updates

1:15pm-1:45pm: Council updates & Information

- DO STEM Impact Report data collection and council member details

- DO STEM Fall Convening updates and planning (September 25th)

- STEM Ecosystem Convening

- Council Member additions and recommendations

1:45pm-2:00pm: Council upcoming events and awareness share

CONVENINGS

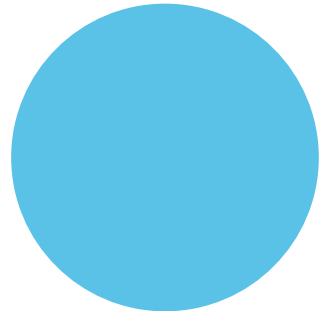
National Ecosystem and DO STEM Fall Convening

National Ecosystem Convening: October 20th -22nd in DC

Funding allocated to support full travel for 2 additional council members (invitation extended to those who had not yet attended)



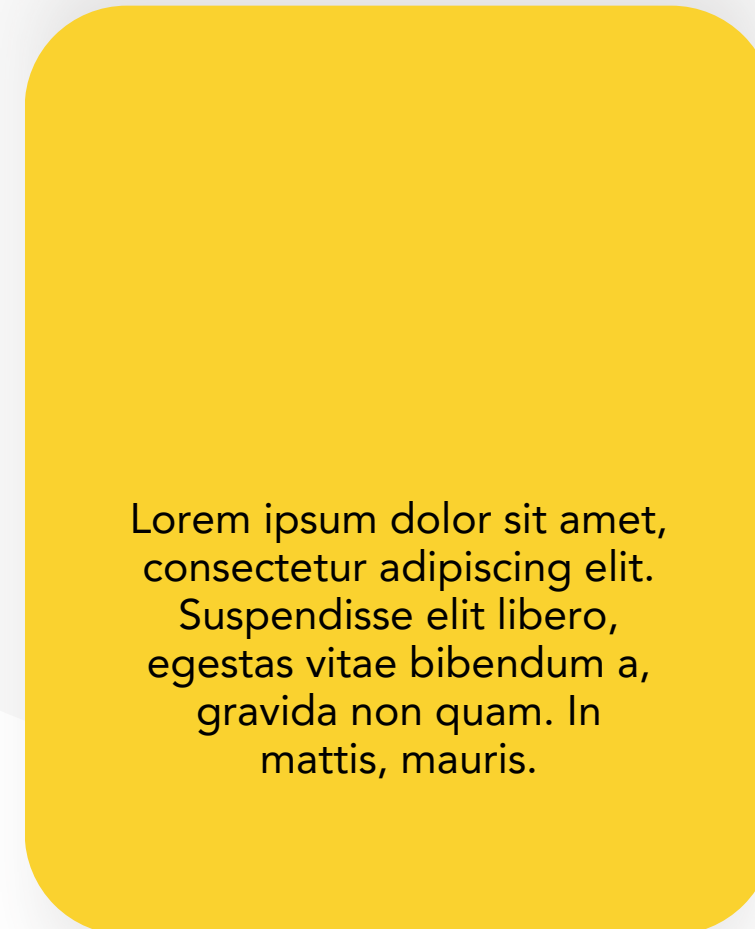
SUBJECT



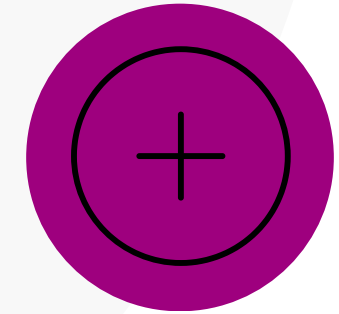
Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Suspendisse elit libero,
egestas vitae bibendum a,
gravida non quam. In
mattis, mauris.



Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Suspendisse elit libero,
egestas vitae bibendum a,
gravida non quam. In
mattis, mauris.



Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Suspendisse elit libero,
egestas vitae bibendum a,
gravida non quam. In
mattis, mauris.



Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Suspendisse elit libero,
egestas vitae bibendum a,
gravida non quam. In
mattis, mauris.