



Leveraging the WBL Continuum

**Supporting Student Career
Opportunities and Learning K-12**

Welcome!

1. MiSTEM
2. Work-based Learning
3. Resources / Grants



Session Outline and Focus

Work Based Learning: Innovative ways to leverage General Education and CTE Relationships

- Using Work Based Learning and Project Based Learning to Address Equity and Access Gaps
 - Recruiting STEM/CTE Industry Professionals to Teach STEM Skills in Schools
- Best Practices in WBL, Utilizing the Full Continuum, K-12
- Leave with resources for implementation

Introductions and Shared Vision / Message



Kathy Van Til
Educator
Muskegon Area
Career Tech
Center



Jason Luke
Kalamazoo RESA,
Career Exploration
Director



Jenny Geno
Executive
Director, CTE
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CEPD 23

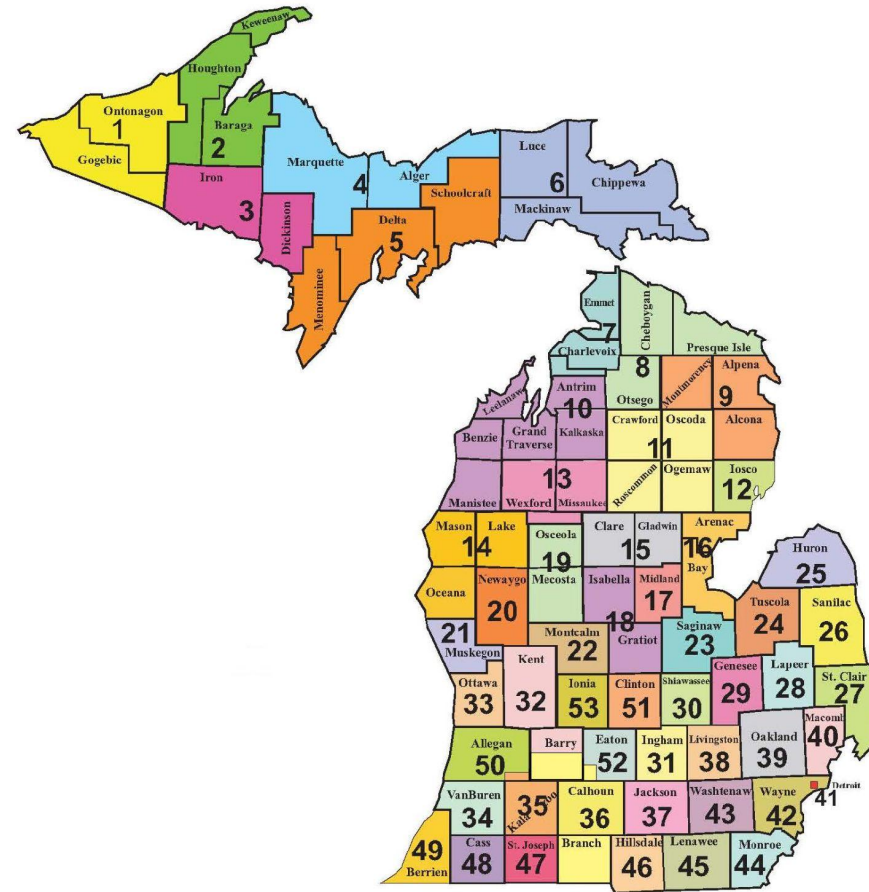


**Megan
Schrauben**
MiSTEM, LEO

Career Education Planning Districts

- 53 CEPD Areas
- 53 CEPD Directors
- Programming/Direction for CTE
- CEPD Directors work in Partnership with MDE/OCTE

[CEPD Map](#)

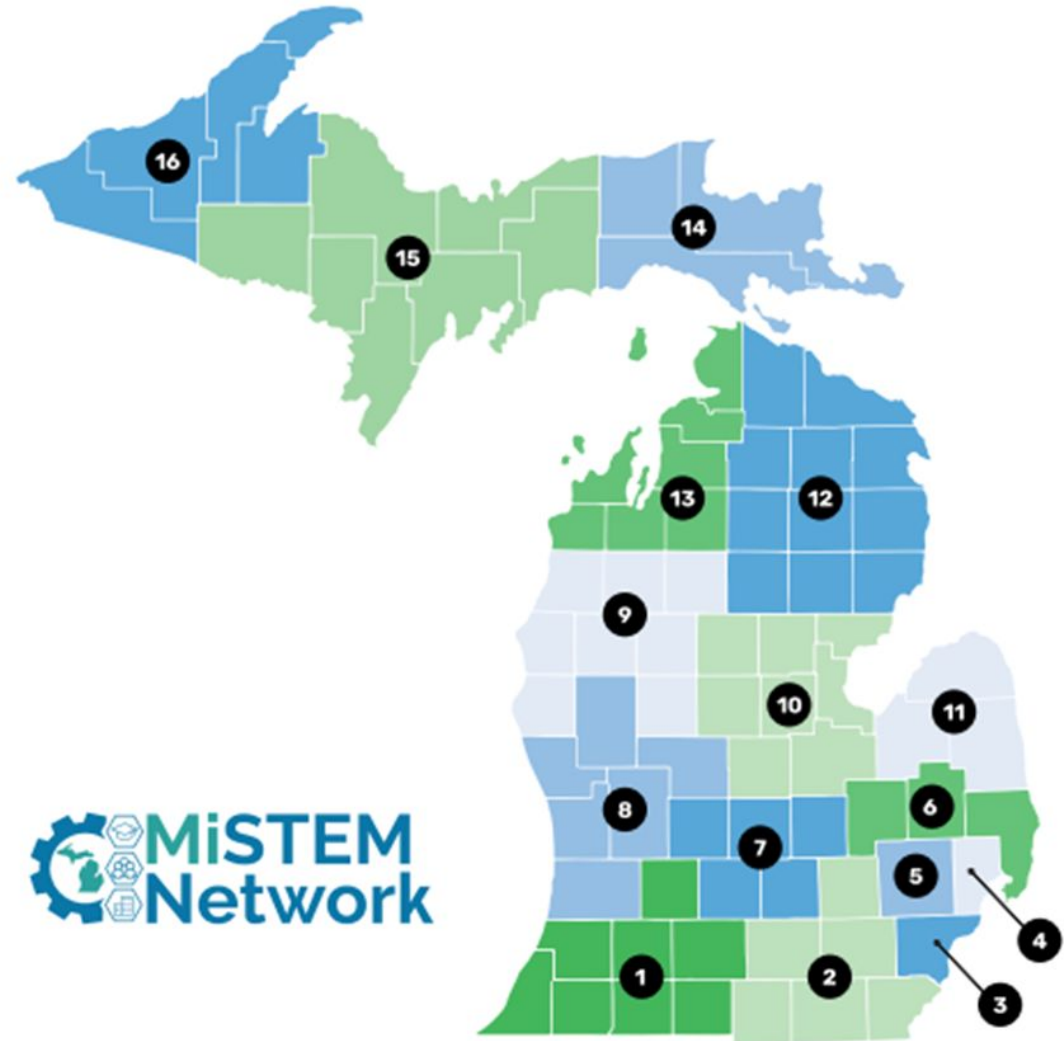


Governor's Council

- 15 members
- Sets statewide STEM strategy
- Directs LEO & MDE to release grants

16-region Statewide Network

- Implements state strategy





Why is 3P learning important?

Because it is in the research literature for tier 1 instruction (6-12 DLE).



Why is it in the research literature?

Because it engages students in an authentic way with our standards.



Why is student engagement important?

Because there are topics close to students' lived experiences in their communities



Why is student experience important?

Because they identify with injustices they see in their communities.

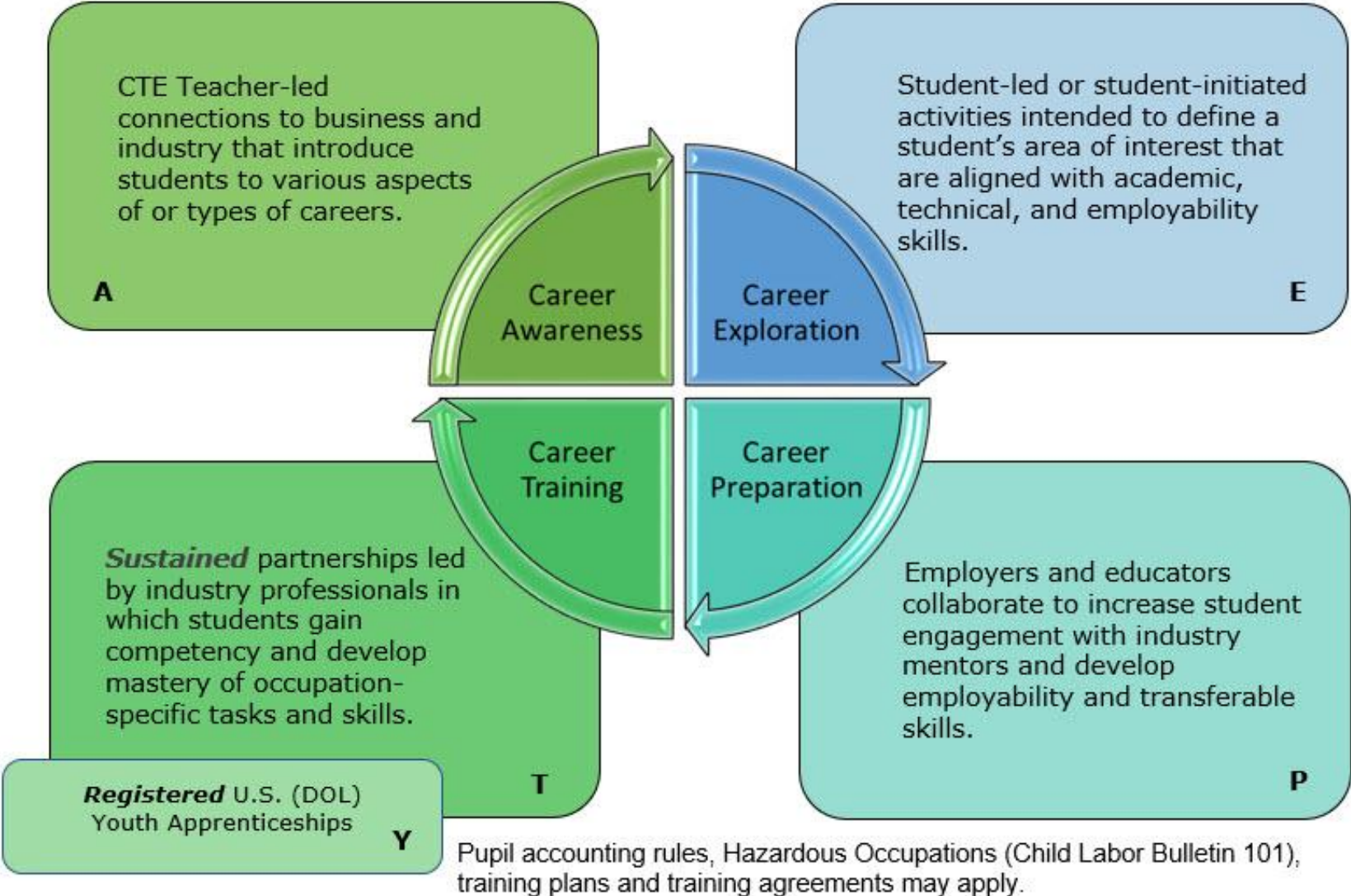


Why are these identities important?

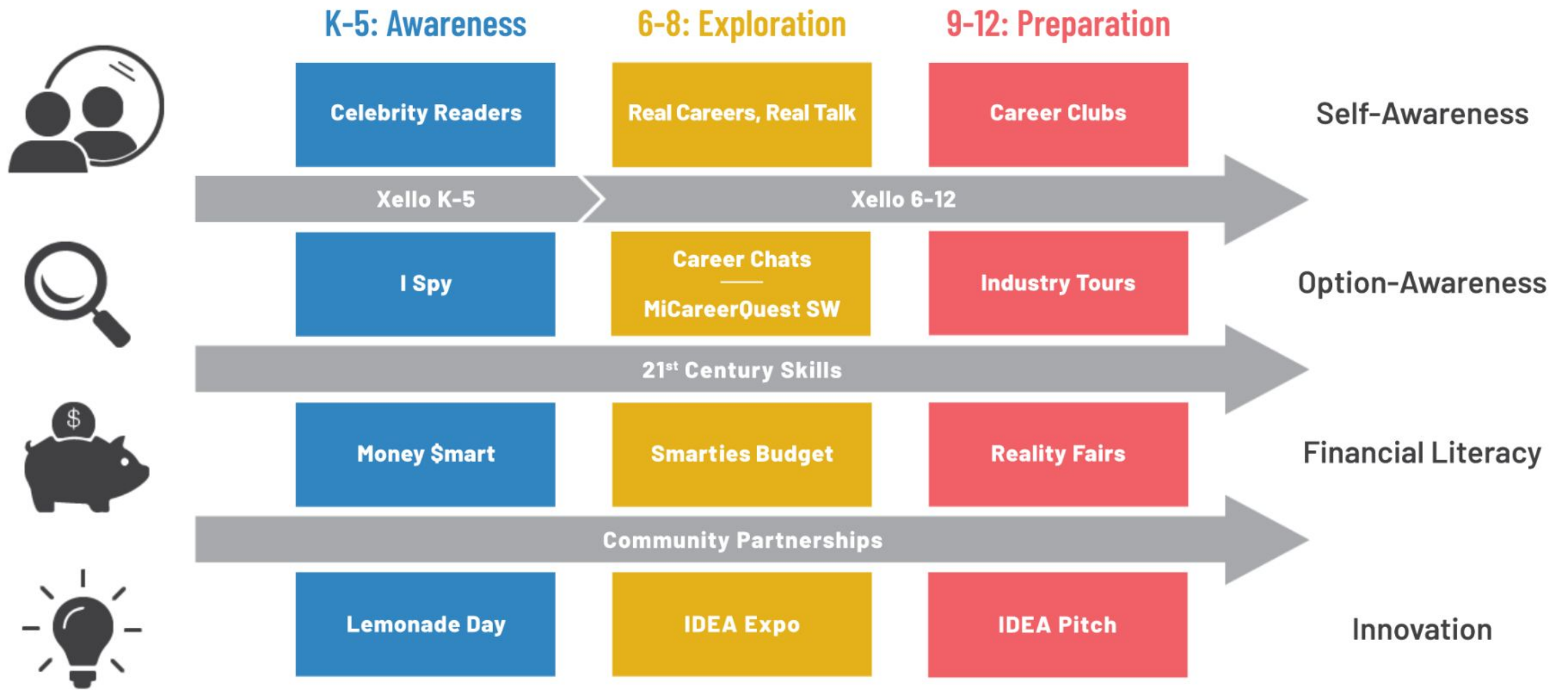
Because students connect to local businesses or are empowered to create a shared community response.

**ROOT
CAUSE!**

WORK-BASED LEARNING CONTINUUM



Career Awareness & Exploration and Work-Based Learning Continuum





I Spy Where People Work

School days are rich in Career Awareness and Exploration opportunities for students! In this coinciding CAE experience, students complete an "I Spy" activity sheet of the people they notice working when at school or school events. It challenges students to "I Spy" potential careers on their way to school or in their buildings or even in books they are reading. Walks and fields trips too offer a chance to "I Spy" people at work in their careers as many times locations are also a place of business. Whether at school, a walk around the corner or requiring a bus ride to a location, the "I Spy" activity offers an "aha" point of relevance to the content area.

LEARNING OBJECTIVES

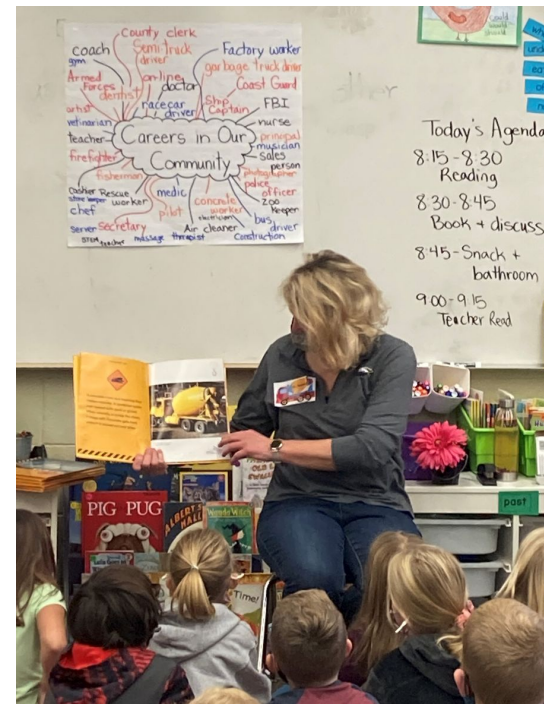
- Students will be able to identify and list people they notice working.
- Students will be able to observe the connection of core content to work habits & careers fields.
- Students will be able to generalize how their own interests, strengths and talents fit into the careers observed.
- Students will be able to compile a list of saved careers of interest in their Xello Portfolio, grades 3-5 or 6-12.


Workers I spied while in school:

Example: A person behind the rope in the museum exhibit

What I wonder about the work they do:

How do you get to work with museum artifacts?






Name: _____

Today we went to Peterman Concrete. We learned all about the career of being a concrete builder. Ask me all about it!

<p>1. cement truck</p> <div style="border: 2px solid black; height: 100px; width: 100%;"></div>	<p>2. rock pile</p> <div style="border: 2px solid black; height: 100px; width: 100%;"></div>
<p>3. stepping stone</p> <div style="border: 2px solid black; height: 100px; width: 100%;"></div>	<p>4. careers uniforms/tools</p> <div style="border: 2px solid black; height: 100px; width: 100%;"></div>













JOIN THE CAREER CHAT CHALLENGE

Let's challenge students to chat with family, friends and community members about their jobs!

Let's get the whole community talking about their jobs!

Students will...

- ▶ Discover more about themselves and their interests
- ▶ Gain critical networking experience
- ▶ Learn about their community and job opportunities

What are your daily tasks?

What do you like about your job?

What education or training have you had?

How it works:

1. Students talk to an adult about their job.
2. Students fill out a quick online google form about their chat.
3. Ask your district's Career Coach for the link to the form for your school.



We will provide each school with the following:

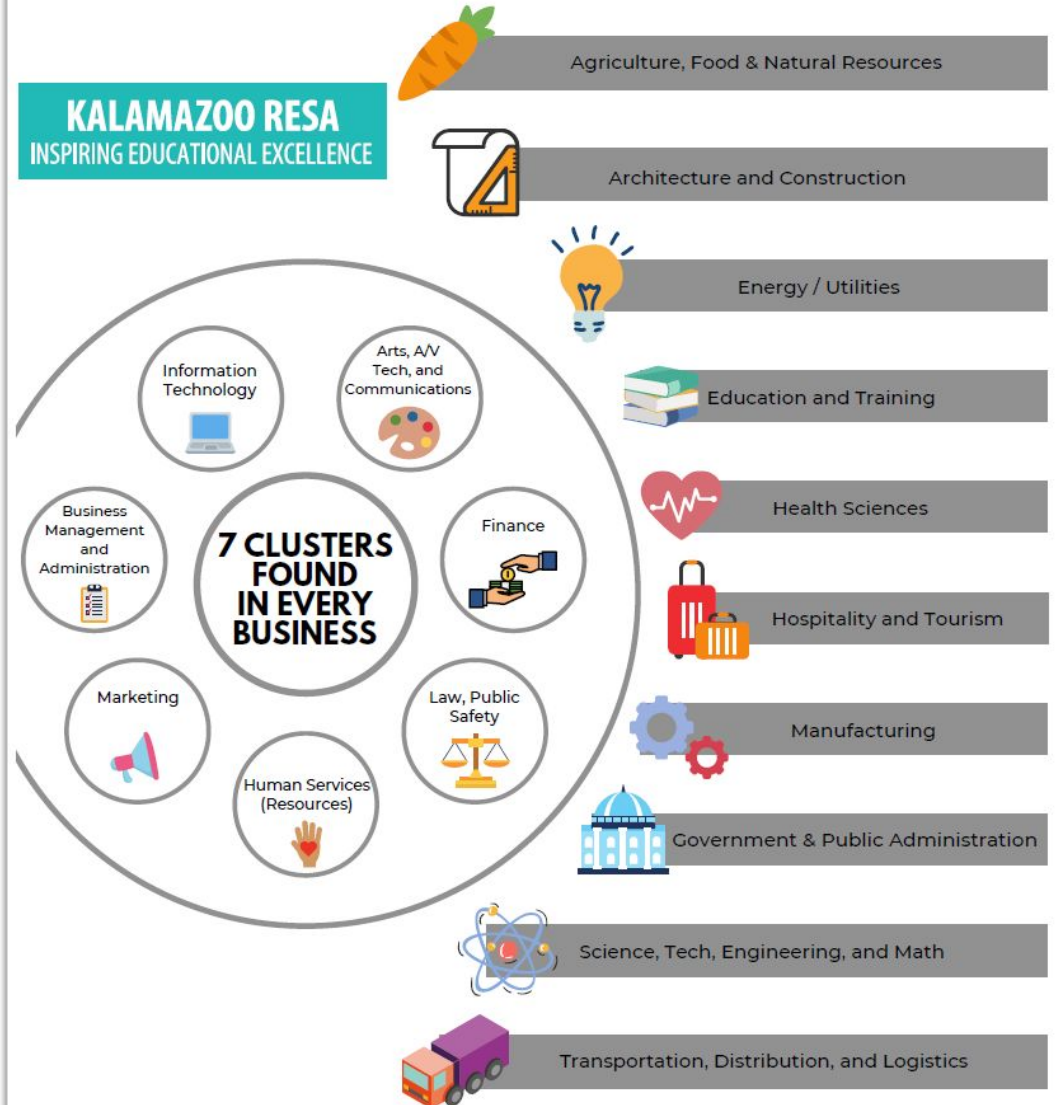
- ▶ **Video** – An introduction to and explanation of the Career Chat Challenge
- ▶ **Career Chat Challenge Forms** – Students are given a link to an electronic google form.
- ▶ **Career Chat Challenge Posters** – Let's promote this fun and meaningful event!
- ▶ **PRIZES!** – Students and school staff are entered into a prize drawing!

Still have questions?

Kalamazoo RESA CTE Career Coaches
(269) 250-9304 • caecoaches@kresa.org • kresaCTE.org

Michigan's 17 Career Clusters

KALAMAZOO RESA
INSPIRING EDUCATIONAL EXCELLENCE



Proud Future Educators Grant

CTE Teacher Academy = Talent Pipeline

Connecting Middle School to CTE

Teachers Change the World



SEL and Career Development Connection to In- Demand Skills

BioTech & Engineering Class:

- Design Thinking
- Authentic Projects
- Class composition
- WBL through projects

Middle Vision

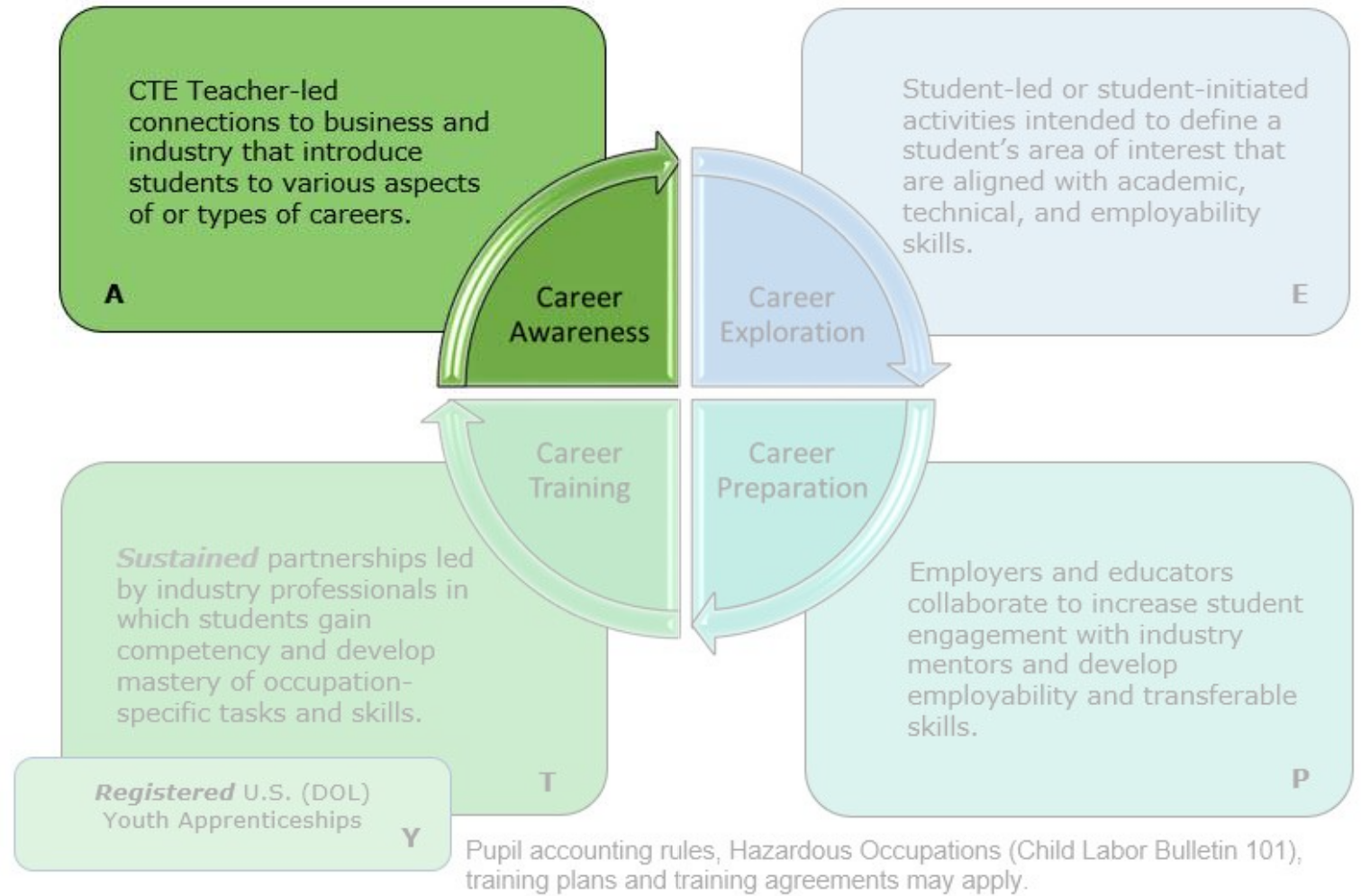
- 20 Sixth grade student
- 2 Sixth grade teachers
- 1 CTE instructor
- 2 CTE student interns

Field Trips

- Inside/Outside CTC

Career Fair

- Access to all for all

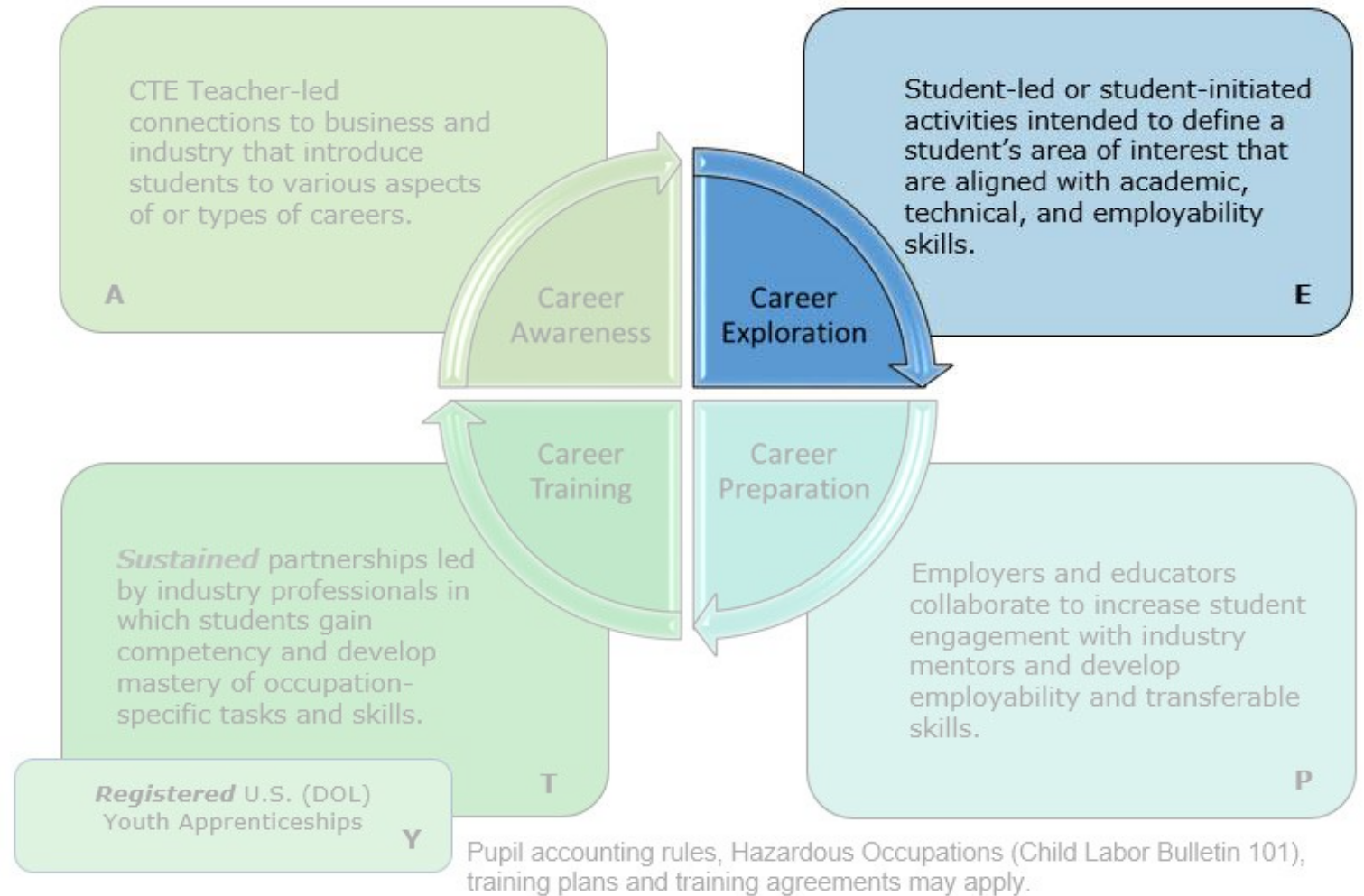


Informational Interview

- Interview industry and business to explore for assist with project

Job Shadow

- Students experience the “work site” of other CTC programs



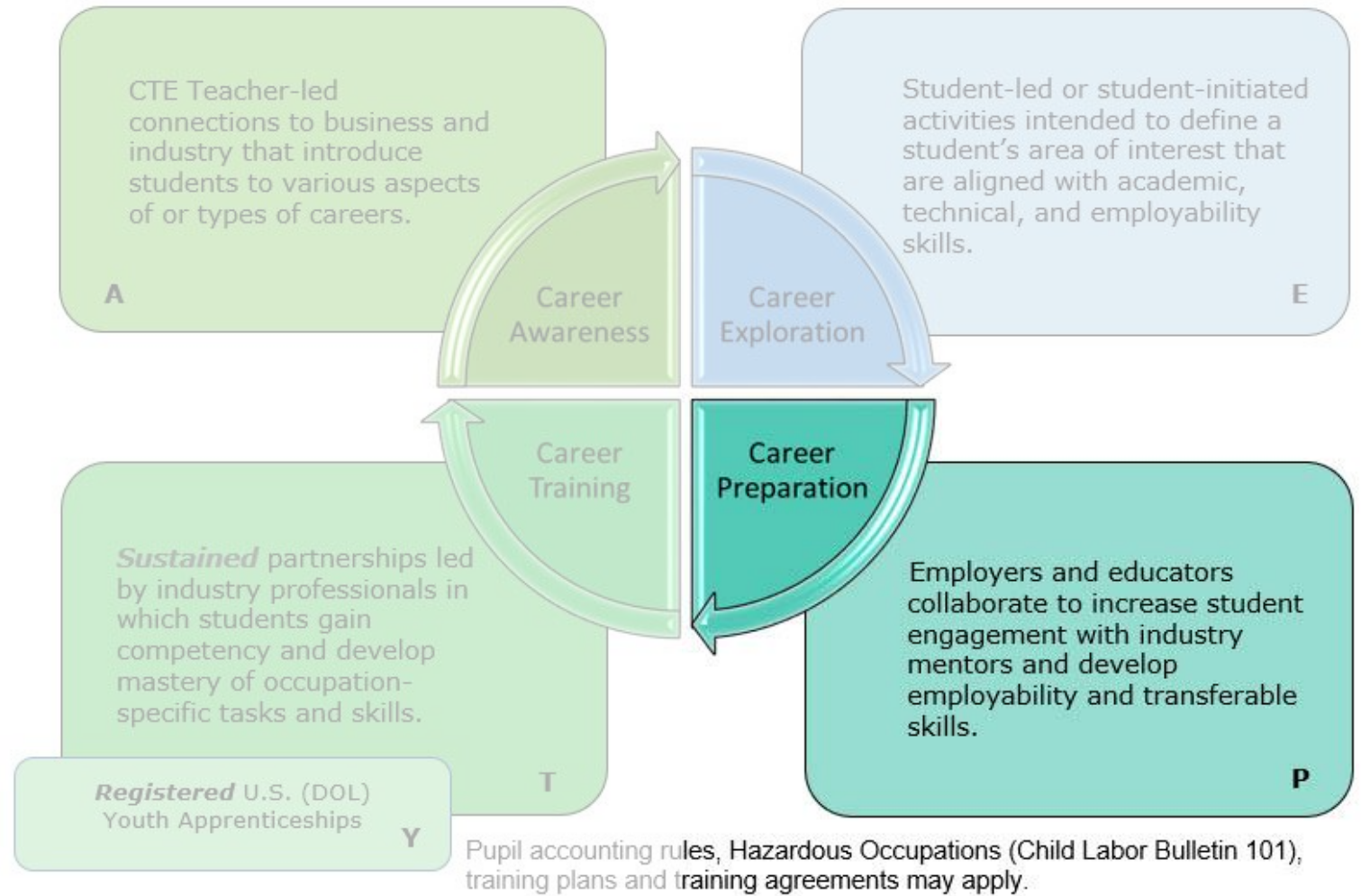
Entrepreneurial

- Student projects for clients

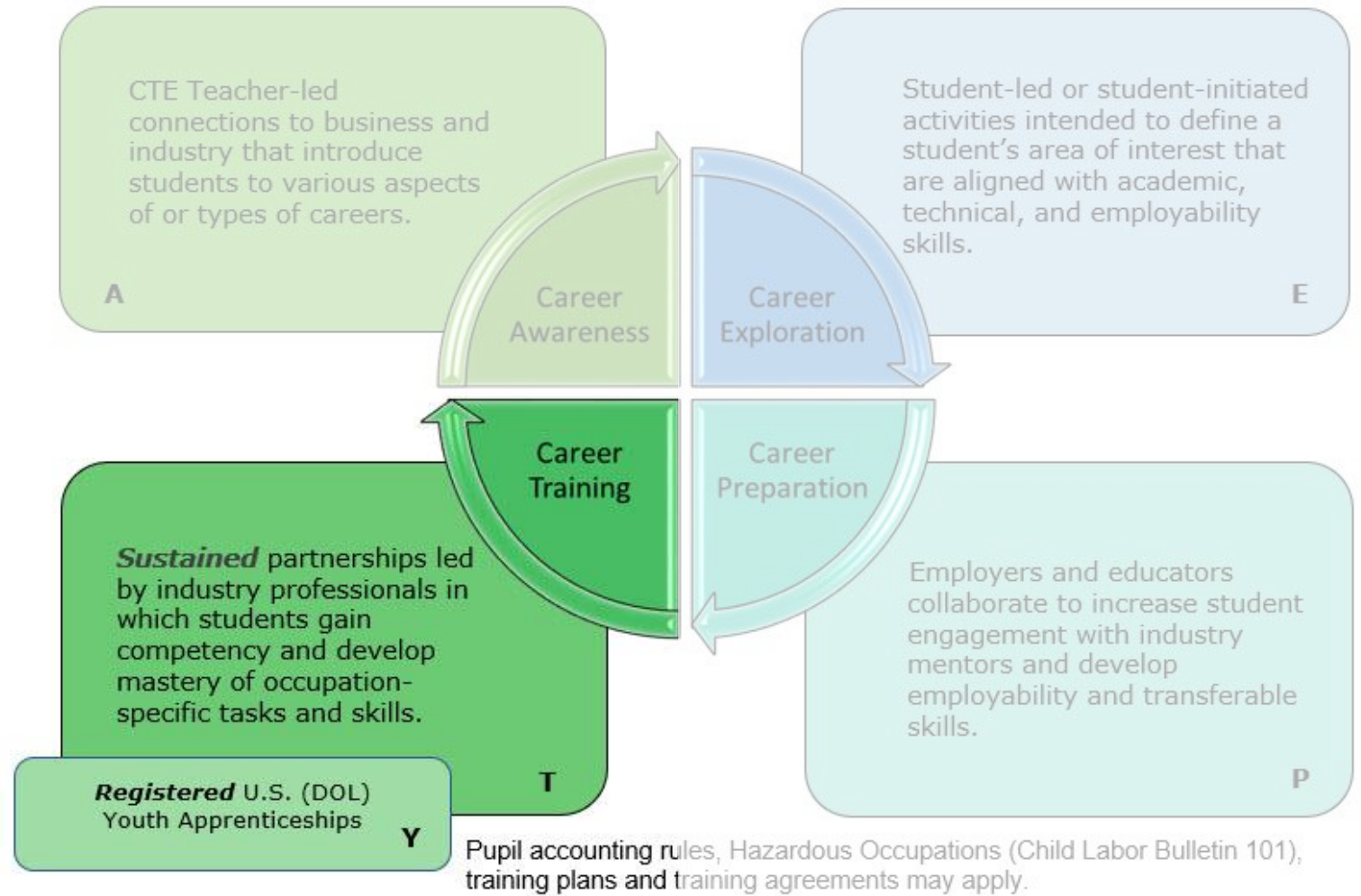
School Based

- iPad covers
- Community Education

Mentor Relationship



- Fab Lab Internship
- Student Interest Internship
- Middle Vision Interns



You Try

Deeper Dive

Resources & Grants

Transformative Partnership Framework



MiSTEM Network Grants

Grant Overview

- To encourage **new and innovative approaches to STEM education** using problem-, place- and project-based (3-P) learning in Michigan K-12 classrooms.
- MiSTEM/EGLE will award **grants** to test-drive 3-P learning strategies and the newly created MiSTEM playbooks.
- Playbooks utilize 3-P learning to enhance student engagement, academic achievement, career exploration and community involvement.
- Grants are intended for consortia that are new to 3-P learning and for those who already incorporate **innovative 3-P approaches to learning** for district improvement.





MiSTEM Grants Timeline

Feb 2022: RFP Released

Apr 2022: Grant Due Date

May 2022: Grants Awarded

June 2022-July 2023: Funding period

Summer 2023: Grants Reporting

Learn more about MiSTEM and updates on grants at Michigan.gov/mistemgrants.



Thank you!

Questions?

Learn more about MiSTEM

LEO-MiSTEM@michigan.gov

[MiSTEM Network](#)

[Sign up for Newsletter Communications](#)