Welcome to the Virtual STEM Meet-up!

- Participants are being muted upon entry
- To talk, please ‘unmute’ yourself or press the space bar
- Use the chat feature to ask questions or communicate with any one of the participants
- Click on the ‘participants’ button to raise hand, vote, or sign
- Please right-click on your name and rename yourself
  Add ES if Elem., MS if Middle, HS if High
  (ex: MS Donna)
- To get out of full screen (click the View Options menu at the top of the screen and choose ‘exit full screen’)

STEM Education Center
Virtual STEM Meet Up

The STEM Education Center at WPI

Donna Taylor; Mia Dubosarsky
Shari Weaver; Kathy Chen
Where are you connecting from?

Please click on the link in the chat box to visit Google Maps and show us where you are joining us from.

(type Town and click ‘add to map’)
Agenda

• Introduction to the STEM Education Center
• Share Teacher Resource Page
• Highlight Online Tools
• Explore 2 STEM Resources
• Time to Discover
• Small Group Discussions to share experiences, tools and resources
• Closing
Considering the current situation of extended school closings...

How do you feel about suddenly being thrust into online teaching?
Which animal best represents how you feel about suddenly being thrust into online teaching?
We envision a society in which **educators are empowered** to guide **relevant, integrated, and inclusive STEM** with their students and community.

The greatest impact is achieved by **empowering educators** to guide their students in high-quality STEM experiences.

High-quality STEM education is integrated and focuses on **problem solving**.

Sustainable systemic change requires **partnerships** with all stakeholders.

High-quality STEM education is for **ALL** students.
Transforming STEM education for all in collaboration with PK-12 educators through professional development, research, and community engagement

Teacher Preparation Program
(35 WPI UGs also earning teaching license)

Professional Development
(867 in-service teachers)

Equity, Access, and Community
(STEM Ecosystem; AmeriCorps VISTAs)

Envisioning a world in which educators are empowered to guide relevant, integrated, and inclusive STEM with their students & community
We work towards sustainable systemic change with partners and stakeholders
STEM Clubs
for PreK-8 Educators

Led by an experienced teacher presenting a STEM project

After School, 4:00-6:30

Teachers get new project ideas!

Pay for one, the rest are FREE!
STEM Education Certificate
for PK-12 Educators & Administrators

Collaborate with Colleagues

Learn Best Practices for High Quality STEM

Design an Integrated STEM Unit

Earn a STEM Certificate from the STEM Education Center at WPI
STEM PD in your School for PK-12 Educators

STEM Curriculum Development

Curriculum Alignment

The Engineering Design Process

Quality Assessment
How can we move these experiences to distance learning?

What resources can help us do that?
STEM Teacher Resources
https://www.wpi.edu/academics/stem-education-center/teacher-resources

Online Tools
Edutopia: https://www.edutopia.org/
4-tips for supporting learning at home
5-step guide for making your own instructional videos
6-tech tools for world language classes

TeachEngineering: https://www.teachengineering.org/

Time to Explore (6 mins) 🌟_slice_icon
While exploring we will put into Breakout Rooms by grade level
• Share current situation
• Share helpful Online Tools/Resources
Closing

Please complete our online survey *(link in chat box)* to let us know if this experience was useful and ways that it can be improved in future sessions.

Our goal is to help you be more successful as you delve into this challenging educational endeavor.

Best of Luck to everyone – please don’t hesitate to reach out to us if you have any questions or need guidance:

- Donna Taylor – dltaylor@wpi.edu
- Mia Dubosarsky – mdubosarsky@wpi.edu
- Shari Weaver – sweaver@wpi.edu
- Kathy Chen – kcchen@wpi.edu