

Welcome to the Virtual STEM Meet-up!

If you are new, welcome! Please tell us in the chat where you are joining us from.

- Participants are being **muted** upon entry
- To **talk**, please 'unmute' yourself
- 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
- To get out of full screen (click the **View Options** menu at the top of the screen and choose 'exit full screen')



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Virtual STEM Meet Up

The STEM Education Center at WPI

Donna Taylor; Mia Dubosarsky

Shari Weaver; Kathy Chen

Past Tools/Resources Shared



- Edutopia – <https://www.edutopia.org/>
<https://www.edutopia.org/article/teaching-strategies-award-winning-online-instructors>
- TeachEngineering - <https://www.teachengineering.org/>
- PBS Learning Media - <https://mass.pbslearningmedia.org/>
- Padlet - <https://padlet.com/>
- OkGoSandbox – <https://okgosandbox.org/>
- Daily DE- <https://den.discoveryeducation.com/participate/dailyde>
- NSTA Daily Do's - <https://www.nsta.org/dailydo/>
- Science Friday - <https://www.sciencefriday.com/>
- Scoutlier - <https://www.aecern.com/>
- DESE Updates – <http://www.doe.mass.edu/covid19/learn-at-home.html>
- NGSS Phenomena - <https://www.ngssphenomena.com/>
- Story Jumper - <https://www.storyjumper.com/>
- Wide Open School - <https://wideopenschool.org/>



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Agenda



- Introduction
- PD Certificate reminder
- Explore 2 STEM Resources
 - Edpuzzle – *presented by Donna*
 - TryEngineering – *presented by Mia*
- Breakout discussions @ today's resources
- Group discussion - share successes, challenges, and ideas
- Closing



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PD Certificates

In order to receive a PD Certificate for the Virtual STEM Meet-up, you must...

- 1) Complete and Submit the Google Form - <https://forms.gle/JicXbxutpqXN7fUo8>
- 2) Be in attendance on the date(s) listed

Note: Attendees will receive a PD Certificate for 1 hr per session submitted with a reflection. Presenters will receive 1.5 hrs for the session presented to account for their planning time

Please have all reflections submitted by June 11th.
PD Certificates will be e-mailed before the end of June.



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We have now been self-isolating for
almost 9 weeks.

*What is your favorite new
“quarantine” activity?*



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1 Cleaning and/or Organizing



<https://simplegreen.com/news-and-media/spring-cleaning-quarantine-cleaning/>



<https://terryelisabeth.com/tag/quarantine-organizing-challenge/>

2

Yard Work or Gardening



<https://metro.co.uk/2020/03/25/coronavirus-uk-allowed-sit-garden-use-allotment-lockdown-12455083/>

3

Home Improvement Projects



<https://go.homesite.com/blog/5-times-diy-bad-idea-1>

4 Games or Puzzles



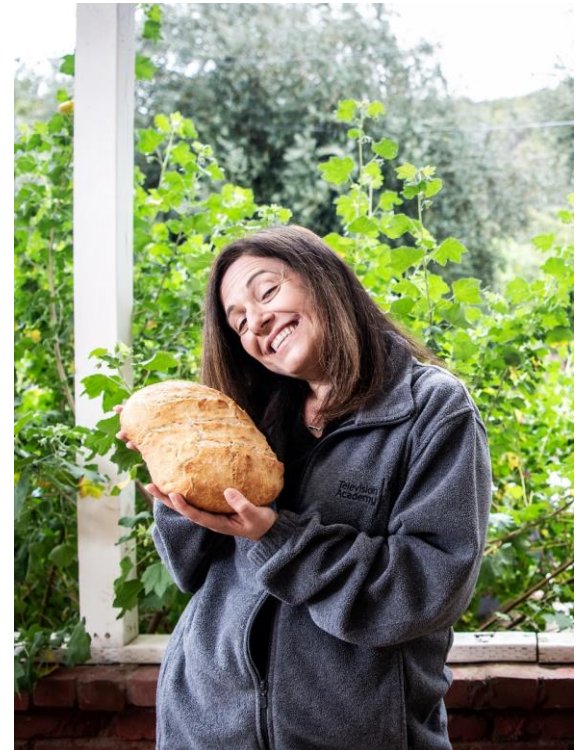
<https://www.worldatlas.com/articles/10-best-board-games-to-play-with-your-family-in-quarantine.html>

5

Baking or Cooking

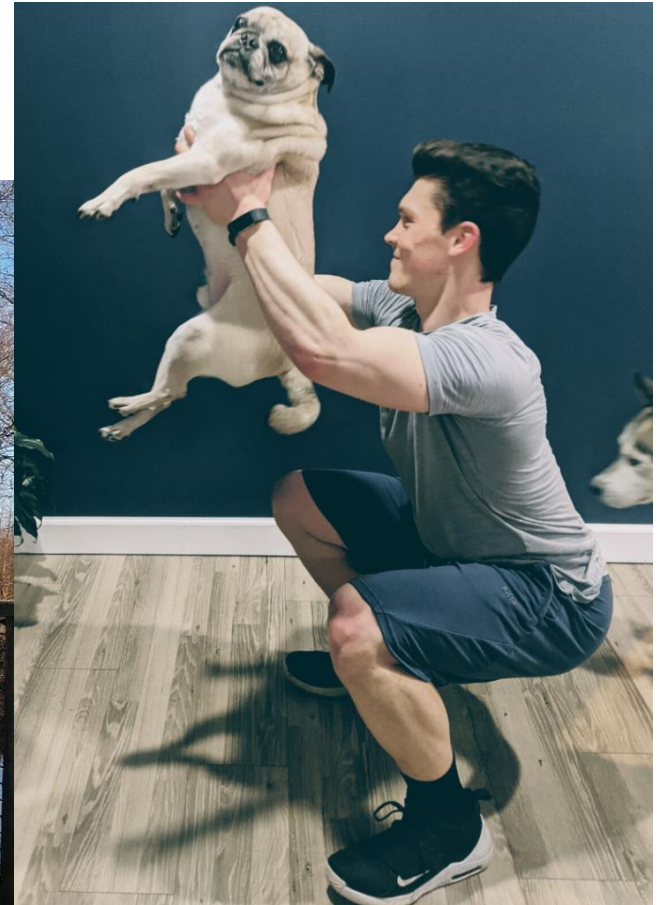


<https://www.cpr.org/2020/04/09/coronavirus-has-coloradans-in-the-kitchen-with-isolation-loaves-and-quarantine-cookies/>



<https://www.latimes.com/food/story/2020-04-13/how-to-relieve-stress-during-a-pandemic-quarantinebaking>

6 Exercising



<https://www.insider.com/can-you-go-for-a-run-coronavirus-quarantine-social-distancing-2020-3>

7 Online Shopping



<https://www.youtube.com/watch?v=B0VO9L787aE>

<https://www.usatoday.com/story/money/2020/03/31/study-what-people-ordering-online-during-coronavirus-crisis/5086640002/>



8 TV or Movies



<https://www.latimes.com/entertainment-arts/business/story/2020-04-21/netflix-usage-profits-surge-during-coronavirus-crisis>



<https://www.forbes.com/sites/arvinpatel/2020/04/20/how-is-the-quarantine-affecting-the-streaming-wars/#540739d46b2a>

Which best represents your favorite new activity during quarantine?



Please enter your answer
in the Poll or in the Chat
(if difficulties with poll)





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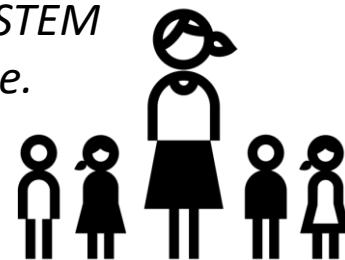
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Transforming STEM education for all in collaboration with PK-12 educators through professional development, research, and community engagement

*We believe that everyone has the capacity to participate in doing STEM, and that **everyone should have access to high-quality STEM learning experiences**. We seek systemic ways to broaden the participation of STEM, especially those that have been historically excluded in STEM, and work with others towards equity in education.*

*Our work is **informed by current research** and by the **lived experiences of educators**, learners, and community members. We contribute to the advancement of STEM education as researchers and practitioners in order to continuously improve.*



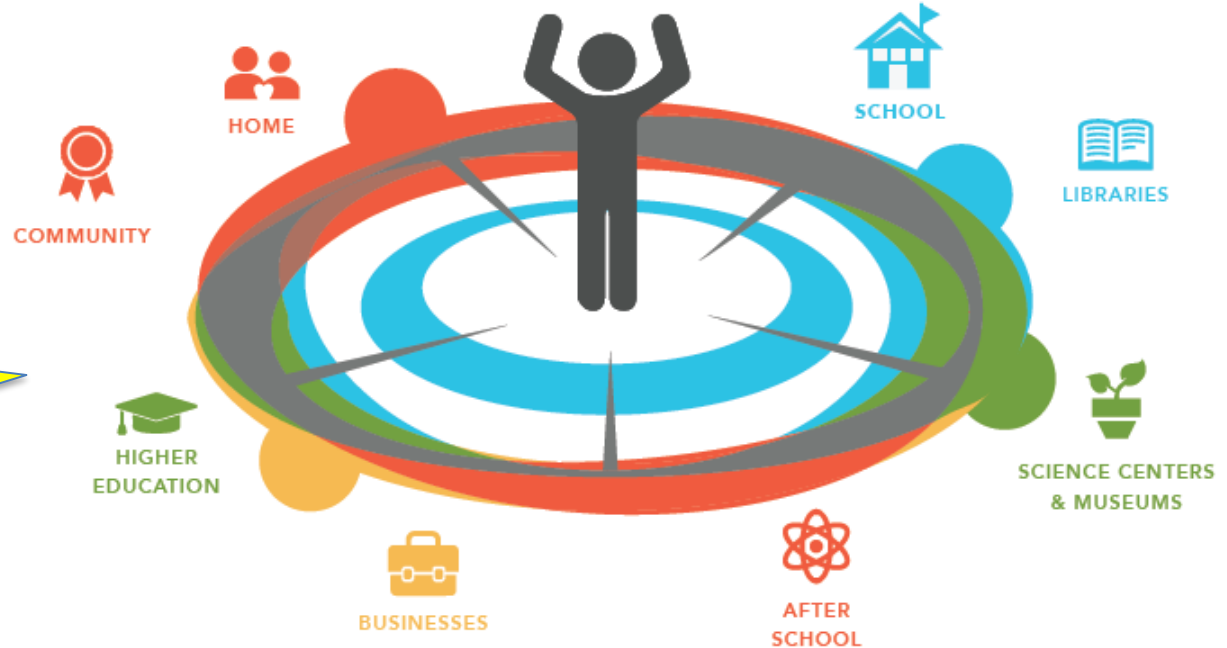
Envisioning a world in which **educators are empowered** to guide *relevant, integrated, and inclusive STEM* with their students & community

We work towards sustainable systemic change with partners and stakeholders



<http://wp.wpi.edu/cmsn>

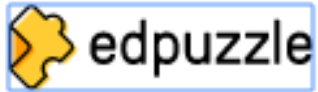
STEM Together
Design Challenge!



ADDRESSING THE NATION'S STEM TEACHER SHORTAGE

STEM Teacher Resources

<https://www.wpi.edu/academics/stem-education-center/teacher-resources>



EdPuzzle:

<https://edpuzzle.com/>

(Presented by Donna)



TryEngineering:

<https://tryengineering.org/>

(Presented by Mia)

Let's check it out!

Breakout Rooms by grade band:

Add the code in front of your name on your photo

Example: ES Donna Taylor

ES = Elem. School

MS = Middle School

HS = High School

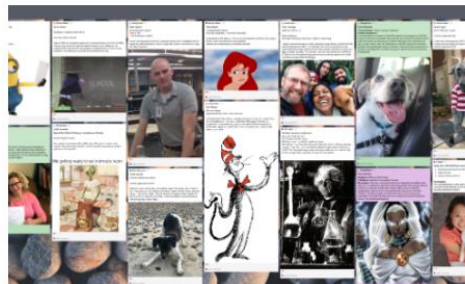
Once in the room...

Together, choose one of the resources to explore. Take time to explore and talk about possible uses online or in the classroom.

Choose someone to share out with the whole group when we come back together.

What will Summer PD look like?

wpi.edu/+pd



Online STEM Teaching: Meeting the Needs of all Learners

Need to enhance your online teaching skills to better meet the needs of all of your students? With this set of introductory and advanced workshops, you can do just that! There's even a PD specifically for administrators/coaches. Check them out!

[➤ LEARN MORE ABOUT THIS PROGRAM](#)



STEM/STEAM Projects

Looking for new STEM or STEAM project ideas to incorporate into your classroom? Look no further! Explore challenges aligned with grade-level standards and follow the steps of the engineering design process to solve them. Always an educator favorite!

[➤ LEARN MORE ABOUT THIS PROGRAM](#)



Seeds of STEM

Problem Panda has a LOT of problems! Step into the shoes of a preschool student and experience this hands-on approach to doing STEM with young children. Explore the Seeds of STEM curriculum binder and color images, and discuss with other educators how to implement this year-long curriculum in your classroom.

[➤ LEARN MORE ABOUT THIS PROGRAM](#)



STEM Educator Certificate Course

Earn a STEM Certificate from WPI! Join us on a journey to design a high-quality integrated STEM Challenge that aligns with STEM standards of your choice. This course is great for in-school educators, out-of-school educators, and coaches of all grade levels. It's one of a kind!

[➤ LEARN MORE ABOUT THIS PROGRAM](#)



Assessments Re-imagined

Transform the way you look at assessment practices. Re-imagine and redesign your current assessments to meet critical elements of high quality, while collaborating with grade-level colleagues. Assessing will never be so clear!

[➤ LEARN MORE ABOUT THIS PROGRAM](#)



Project Based Learning Institute

Immerse yourself in PBL! Work together with your educator team to dive deeper into the understanding of project-based learning. Let us guide you to plan real-world, high-quality PBL experiences for your students.

[➤ LEARN MORE ABOUT THIS PROGRAM](#)

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.

https://wpi.qualtrics.com/jfe/form/SV_3t7GH67chCFwx5r

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



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