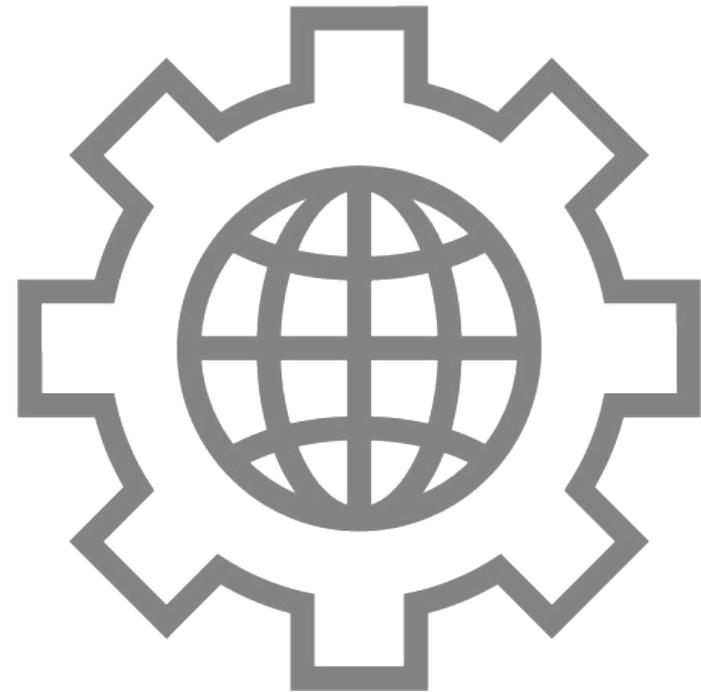


# VIRTUAL MATH AND SCIENCE FESTIVAL PASSPORT



AT&T  
PERFORMING  
ARTS  
CENTER  
*Years to Discover*

talk**STEM**  
Share. Engage. Inspire.™

# WELCOME TO VIRTUAL MATH AND SCIENCE FESTIVAL 2020!



We have lots of fun activities for you to explore as part of a Virtual Math and Science Festival!

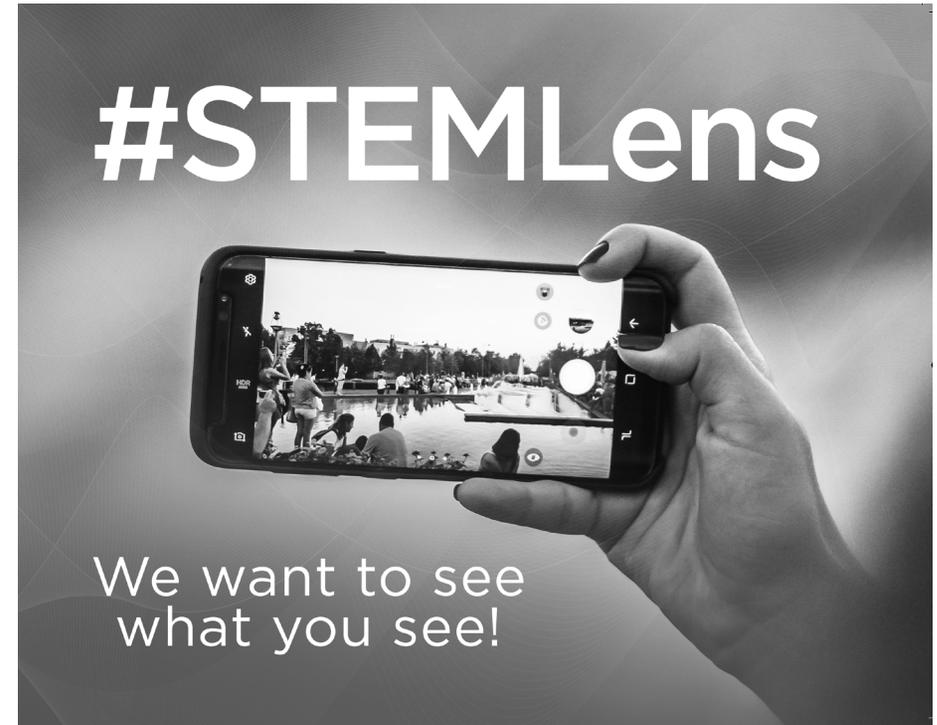
The Virtual Math and Science Festival can be accessed on the talkSTEM YouTube channel. Just like a regular festival, you can explore the different areas in any order you want!

You can use this passport to keep track of the activities you watch and complete on your own. You'll find it helpful to print out this passport to use as a guide and record of your own activities and thoughts.

***If you complete 3 activities at home, we will enter you into a digital raffle for a prize!***

All you have to do is tag talkSTEM when you post about your at-home creations and activities. We will notify you digitally if you win.

**We hope you enjoy the Virtual Math and Science Festival!**



**We want to see what YOU see on Pi Day and beyond!**

- 1. Take a photo/ 5-10 sec video of a real world structure. (like your photos from Finding Pi!)**
- 2. Mark up the image and add your STEM question and response or observation.**
- 3. Post and tag us using the hashtags #ATTPACTalkSTEM and #STEMlens.**



@talkstem



@talkingstem



@talkingstem



talkstem

talkstem.org

*Tag us if you complete AT LEAST 3 activities in order to enter the digital raffle.*

**What Floats Your Boat?**

*Wonder Kits- Dallas Afterschool*

Notes:

**Puzzled? Flex Your Cortex**

*UTD Center for BrainHealth*

Notes:

**IF/THEN® -Girls Do STEAM Exchange on Pi Day 2020**

*IF/THEN® & Girls Do STEAM*

Notes:

**What Angles Do We Make Walking?**

*IF/THEN® Initiative*

*UT Southwestern*

*Scottish Rite For Children*

Notes:

# Video List

Here's the list of math-integrated activity videos created by the talkSTEM team and our partner organizations.

We suggest you write notes for each activity you complete at home. Or if you can't do the activity, record your reactions and questions to the video.

**Going on a STEM Walk: Shapes and Art**

*talkSTEM*

Notes:

**Going on a STEM Walk: Ripple Patterns in Water**

*talkSTEM*

Notes:

**Going on a STEM Walk: Shapes and Nature**

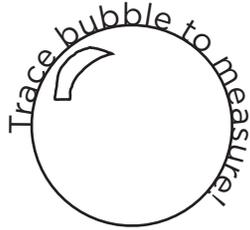
*talkSTEM*

Notes:

**Can You Find Pi in a Bubble?**

**talkSTEM**

Notes:



**How Do You Make and Use Maps?**

**talkSTEM**

Notes:

**Where Can You Find Pi?**

**talkSTEM**

Notes:

$$\frac{\text{Distance Around}}{\text{Distance Across Center}} = \frac{\text{Circumference}}{\text{Diameter}}$$

**Can You Find Pi By Rolling Dice?**

**talkSTEM**

Notes:

4 Tag us if you complete AT LEAST 3 activities in order to enter the digital raffle.

**Where is Math in Music?**

**Texins Jazz Band**

Notes:

**How High Can You Bounce a Basketball?**

**Girls Do STEAM**

Notes:

| Surface | Trial 1 | Trial 2 | Average |
|---------|---------|---------|---------|
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**What is the Best Paper Boat Design?**

**Girls Do STEAM**

Notes:

**How Do You Make a Geometric Sculpture?**

**Museum of Geometric and MADI Art**

Notes:

5 Tag us if you complete AT LEAST 3 activities in order to enter the digital raffle.