

*This worksheet is hyper-linked, click on **bold text** to access*

SCIENCE

TECH

ENGINEER

ART

MATH

1 **Experiment:** Using tea bags or coffee grounds, brew one sample in cold water, and one in hot water. Record differences you see, quantitative and qualitative data. You can use [this worksheet](#). 



2 **Watch this video** about how to model a queue. Design your own model of a queue. Think about a time when one task is done by one person, one at a time.



6 **Watch this video** about the science in rocks. Experiment using multiple rocks and a container of water to determine the density of each rock. 



7 Explore the hashtags #Science and #scicomm and select 2-3 posts you found to be most interesting. Come up with new hashtag ideas for STEM. [Refer to page 15 of this PDF.](#) 



3 **Watch this video** about designing paper boats. Now it's your turn to design your own paper boat! Test out your boat and record how much weight it could hold. By Girls Do STEAM



4 **Watch this video** about the math in mosaics. It's your turn to create a mosaic. You can use pieces of paper, cardboard, plastic beads, bottle caps, etc. 



5 **Watch this video** about an amphitheatre. Now you create your own question of something you see - indoors or outdoors. [Click here for the worksheet.](#) 



8 **Watch this video** about forces and 3D solids. Create your own 3D solid model using paper, popsicle sticks, toothpicks, etc. 

9 Take a photo of any parts of a plant - roots, leaves, wood, knots, flowers, fruit, etc. Then, write a short story or poetry inspired by your photograph. [Refer to page 17 of this PDF.](#) 



10 **Watch this video** about the math in music. Try your best to solve the 3 problems at the end of the video. Check your answers in the video description.

By Texins Jazz Band

