



MAKE: Upcycled Musical Instrument

CHALLENGE: What musical instrument can you make with materials found around your house? The possibilities are endless, right? Let your imagination run wild. You may use any additional materials you can find at home to enhance your creation. Your goal is to construct a musical instrument that actually works. Yours might look different than a traditional instrument, and that's okay!

BIG IDEA: Sound is Energy. Sound is created by energy moving backwards and forward, like the vibration on a guitar's string or the pounding of a drum.

Materials:

Materials can be anything you can find in your home. Here are some examples:

- Tissue Box
- Toilet paper or paper towel rolls
- Plastic cups
- Small objects such as beans, marbles, or rice
- Rubber bands
- Popsicle sticks
- Plastic spoons



INSTRUCTIONS:

Collect materials from around your house to create a musical instrument. When looking for materials to use, think about what sounds you want to create. Do you want to build and instrument that creates a loud sound, or a soft sound? Draw out your plan and start building!

WANT TO KNOW MORE?

<https://youtu.be/3-xKZKxXuu0> (What is sound?)

<https://youtu.be/ymCa87hYIUE> (How do instruments make music)

<https://youtu.be/7sUNXA4NYKI> (DIY Musical Instruments)



WE WANT TO SEE & SHARE YOUR CREATIONS!

Send us a picture or video by November 2, 2020 and be entered into a drawing for a gift card!

Three ways to share:

1. Tweet us using the hashtag #aBitofSTEM
2. Text us at 314-285-9663
3. Use this google form and we'll show off your creation. [Submit Here](#)
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