STEAM Festival

For Young Learners

An **UNTAME** Event

Scan to access the show on **9 Oct 2020 (Fri), 2pm** with your completed Shaker!

Shake that Beat!

Science Show for 4 – 6 year olds

Pre-Show Tinkering Activity: Build Your Own Shaker!

Create your own unique musical shakers and have them ready to shake along with us for a fun-tastic time on Shake that Beat, coming to you **live on 9 October 2020 (Friday)!**

This fun and simple activity is a great way to instill STEAM learning by exploring different materials and figuring out how they affect the sound produced!

Tips for Parents:

Encourage your child to explore and tinker with materials available at home to create a unique musical shaker.

1) **What kind of sound does it make? Is it loud or soft? Is it high or low?**
2) **How does the sound of the shaker change when a different filling is used?**

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Kids STOP Adults sometimes Allowed!

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Suggested Materials

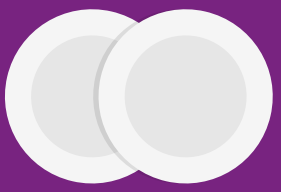
Select from an array of materials available at home!

Shaker shell:

Toilet roll

Recycled drink bottle

Recycled snack box



Paper plates

Fillings:

Rice

Beans/Seeds

Coins

Sand

Others:

Adhesives

Decorative materials

Funnel

Spoon

CAUTION

Do not eat the fillings!

What other materials can be used to assemble the shakers? Have fun exploring and experimenting!

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How to make a Musical Shaker

1 Decorate the chosen shaker shell.

2 Cover and secure one end with a tape.

3 Feel the texture of the fillings and explore the sound they make when the fillings are added into the shaker shell.

4 Fill half the shaker shell with the chosen filling.

5 Cover and secure the other end of the shaker shell.

6 Shake and listen to the sound made by the shaker.

When we shake a shaker, the materials inside hit against each other in the air, causing vibrations. These vibrations produce the sound that we hear.

The volume of the sound produced can be changed by filling the shaker with different materials or by shaking it with a different amount of force.

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