

Water Xylophone

Duration: 15 – 30 min

Suggested Age: 0 – 3

Supplies:

- Drinking glasses of various sizes
- Water
- Spoons or wooden sticks
- Optional: Food coloring

Steps:

- Fill glasses with different amounts of water
- Put a few drops of food coloring in the water glasses
- Use a spoon or wooden stick to tap the sides of the glasses

Explore Further:

- Tap the glasses before you put water in them. All of the empty glasses make the same sounds. The various pitches are the result of the amount of water in the glasses.
- Once the glasses are full, try tapping them in different areas. Does tapping them on the side or the top change the pitch?
- Can you use your water xylophone to play a song?

Definitions:

- Sound waves: Vibrations that travel through air, water, or solid objects. In this case, the sound waves are traveling through the water!
- Pitch: The sound an object makes depending on its vibration.