

Vibrations You Can See (Salt Dance)

Concept: Vibrations & sound waves

Materials:

- Small metal baking tray or plate
- Plastic wrap or thin balloon stretched across an empty bowl
- Uncooked rice or salt
- Bluetooth speaker or regular speaker
- Music with a steady beat or a simple tone app

Steps:

1. Stretch plastic wrap tightly across the top of a bowl (or use a metal tray as a surface).
2. Sprinkle a thin layer of rice or salt on top.
3. Place the speaker directly under or next to the bowl/tray surface.
4. Play music or a simple tone loud enough to gently vibrate the surface.
5. Watch the grains jump and shift into little patterns when the sound plays.
6. Pause the music and show how the grains settle when the vibration stops.
7. Ask: Can we see the vibration? Not directly—but we can see what it does to the rice/salt. That's the pattern of sound.