





You Will Need:

- Glass jars
- Water
- Food colouring
- Wooden spoon



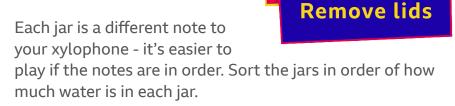


Let's Make a Jar Xylophone!

A xylophone is a tuned percussion instrument.

You'll need a number of glass jars for this make. Glass bottles or tumblers will also work well, but using containers of the same size is a little easier to 'tune'.

- 1. Open and clean out each of the jars and line them up in a
- 2. Fill the glasses with different amount of water, trying not to fill any jars more than halfway.



3. If you'd like to add some extra flair, you can use a few drops of food colouring in each jar so they vary by colour.

4. Now you're ready to play! Use a wooden spoon as a beater to tap against the side of a glass to play a note. Can you play a tune?



How It Works

When you tap a jar with the spoon it vibrates, making that clinking sound. The faster something vibrates, the higher the 'pitch' of the sound it makes. Adding water to the jar makes the jar vibrate more slowly, lowering the pitch of the sound.

For xylophones and glockenspiels, it's the length of the bars that are hit that changes the pitch. The shorter bars vibrate faster, and make a higher pitched note.