

Children's University Club Challenge:

Jam-Jar Jam!



Using some really simple house-hold items, we'd like you to make your very own musical instrument, and have a Jam-Jar Jamming session! Over the next few days and weeks, collect a range of glass jars. The greater the range of sizes and shapes the better. Now, let's make some music...

You will need:

- Empty glass jars (all shapes and sizes. Give them a good wash and soak off the labels)
- Water
- Spoons (metal work best but try all kinds)
- Food colouring or paint (optional)

Step 1 – Line up your jars. Gently (remember they're glass!) tap each one and listen to the different sound it makes. Can you re-order them by the note they make, starting with highest pitch at one end and lowest at the other?

Step 2 - Carefully pour a little water into each. Try tapping them again. Has the sound changed? How? Play around adding different amounts of water to each jar before tapping them again. What do you notice about the sounds?

Step 3 - Add a little food colouring or paint to the water, to colour the jars if you have any (doesn't matter if you don't though - it just makes the next step a little easier)



Step 4 - Try and work out a simple tune by tapping on your jars. 'Twinkle, Twinkle, Little Star' is a good one to start with. Listen carefully to the notes of the tune and the notes that your jars make. You might need to change the order of your jars in the line? You might need to add or pour away a little water from one or two of the jars to get the note right. Try a different tune or even make up your own.

Step 5 - Can you give a performance to other people in your house? You could even give a performance over video to your friends or family?



You can collect **1 CU credit** for completing this task. To claim your credits, please complete and return your Club Challenge Reflection Diary to your school along with evidence of your work. Finally: Don't forget to add the Learning Stamp to your Digital Dashboard.