

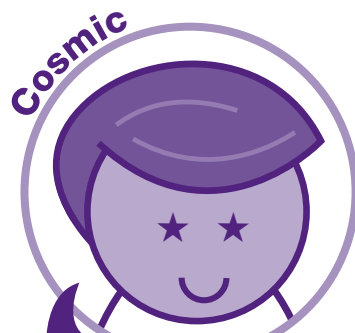


Music maker

Cosmic and Gem are having breakfast with Uncle Astro. Gem is tapping things with her spoon to make sounds. Cosmic notices that the tune sounds different after he has poured fruit juice out of the bottle and the mugs are filled with tea.



I think the note will be higher when the fruit juice bottle is nearly empty

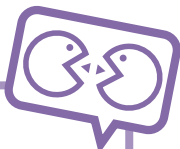


I think the note will be higher when the fruit juice bottle is nearly full



I think the size of the bottle makes a difference

- ★ Have you ever made music by tapping things?
- ★ Did you find ways to change the sound?



Talk about
 ★ Talk to a buddy about your ideas.

★ What do you think?

★ Your challenge
 Find out why Gem's tune changed and how to make music.





Talk about

- ★ Talk to your buddy about the best way to find out.

★ Here's one way to find out

- ★ Make a collection of glass bottles all the same size.
- ★ Put different amounts of water in them.
- ★ Tap on the bottles to see what sound they make.
- ★ Can you put them in order from the lowest note to the highest?
- ★ You will have made a musical instrument.



★ Share your ideas

See if you can tap out a tune. If the sound is not quite right, try adding a little more water or taking some out to make the sound that you need.

You could put your instruments on display. Try to make them look interesting by adding coloured water or by decorating them.

- ★ Can you think of any other things that you could use to make music?
- ★ What about different sized bottles?

Congratulations!

You are a marvellous music maker.

Collect your stickers and get ready for your next challenge.

★ Here are some extra things to do

- ★ Try blowing across the top of the bottles.
- ★ Try tapping other things like mugs, jars, cups, glasses and flower pots. See what else you can do to make a musical sound.

