

EXPERIMENT ZONE



Discover some of the science behind music with these elastic band guitar experiments.

You will need:

- Thick, medium and thin elastic bands
- An empty tissue box
- A wooden spoon

1 Stretch a thick elastic band lengthways over an empty tissue box and slide a wooden spoon under it. Pluck the elastic band and listen to the sound it makes.



2 Now move the wooden spoon down a bit and pluck it again. Does it sound different? You should find that it has a lower sound.



3 Now add a medium and a thin elastic band. Pluck each one and listen to the sounds they make.



You should find that the thinnest band makes the highest sound.

The shorter and thinner a string is, the higher the sound it makes.

