

# Lab: Sound Comparisons

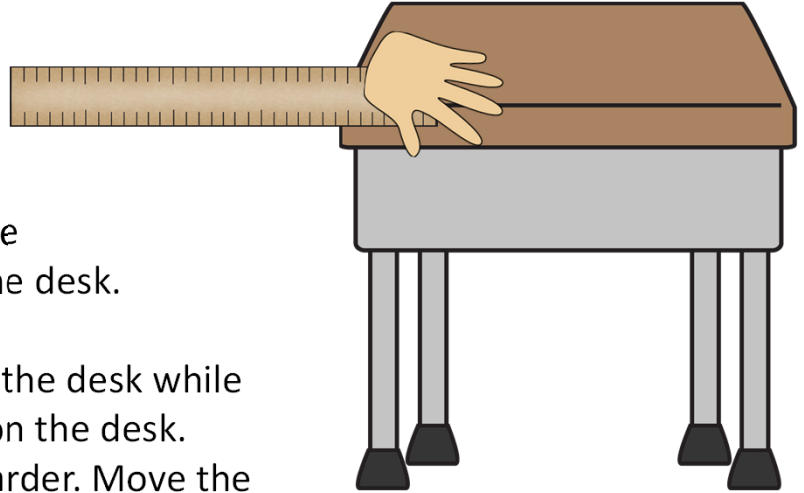
## What is needed:

1. *A flexible ruler made of plastic or wood.*
2. *A desk.*

## What to do:

Hold the ruler firmly against the edge of your desk allowing part of it off the desk.

Pluck the ruler on the side that's off the desk while holding firmly the ruler part that is on the desk. Pluck gently at first and then a bit harder. Move the ruler closer and farther from the desk and repeat.



## Predict:

What will create a louder and softer sound. As the ruler is extended further from the desk, do you think the sound will be louder or softer?

**Record and report your findings about the sound differences, provide explanations:**