

Sound insulation: making it quieter

energy-forces

What you need: small battery buzzer or loud ticking kitchen timer · cardboard box with lid (shoe-box size) · wrapping samples (foam scrap, soft cloth, bubble wrap, stiff card) · masking tape listening line on the floor · Quiet / Medium / Loud cards or board icons

Words to use

Sound insulation · Muffle · Soft materials

Our question

Which wrapping material muffles the buzzer best?

I predict...because...

How loud through each wrap? (in loudness score)

Wrapping	How loud (1 quiet to 3 loud)

Draw a bar chart of our results

Which wrap sounded quietest?

Which sounded loudest?

Did the soft wraps muffle more than the hard one?