

Year 4 Science- Light and Sound Electricity- Monday



This week we are
continuing to look at
sound, and will be carrying
out an experiment!

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When is it important to
hear sounds around us?

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When should we try to muffle (quieten down) sounds from travelling to our ears?

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The Rock Stars of the world need your help!!!

They want their children to be able to come to their concerts, but they are worried about their precious hearing. The concerts will be very loud; too loud for such young ears!

This week, we are going to investigate which materials work best for muffling sound! You will hold the materials to your ears whilst listening to music.

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What materials/objects from around your house can you find that could be used to protect your ears?

Some ideas could be:

- Bed Sheets
- Thick clothes
- Pillows
- Paper/magazines
- Pick 5 different materials/objects to use.

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Prediction

Before carrying out your experiment, you have to predict the results. In your book, explain:

- What material you think will work best to muffle the sound and why?
- What material you think will not work well to muffle the sound and why?

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Fair test

When you carry out the test,
you'll need to ensure it is a fair
test.

What does this mean?

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Fair test

A fair test is an investigation where only one factor (variable) is changed while all the others are kept the same (controlled).

This way, we know that any changes found are only because of the thing we want to test.

In your books, note what factors will stay the same and what factor will change.