

Science - Why is the sound that Ed Sheeran makes enjoyed by so many?

Which Material is the best sound insulator?

Imagine that you have received an email from Ed Sheeran's record company explaining he needs a new recording studio. We need to make sure that the room is soundproof!

Using items found around the house eg. Cotton wool, tinfoil, egg box etc can you experiment to find out which material is the best at keeping the sound in. You might want to wrap the material around the speaker of a phone and play music through it. Make sure you ask an adult before you do this so that the phone doesn't overheat and break.

Once you have found the material you think is the best at stopping the sound from coming out (insulator) you can make your own studio with your material and a small cardboard box/shoe box.



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Does sound have the same intensity the further away you go from the source?

Think back to how sound travels in waves to our ear through vibration and how our ears and brain process this sound. We now want to find out whether being closer or further away from a sound effects how intense we hear that sound.



For this task you will need a partner (that could be anyone you live with). Partner 1 is going to hold a carrier bag. Partner 2 stands in front of them. Partner 1 is going to gently rummage the bag. If partner 2 can hear it they take a step back. If partner 2 cannot hear it then they stay still. You repeat this process until partner 2 stops. You can swap places with your partner to give them a go if you like.

What do you notice about the sound the further away you are from it? Is there a pattern?

Can you write a conclusion that explains what has happened to the sound and what you have learned. You may want to take some pictures of you listening for the sound.

History - Has Greece always been in the news?

Have a look at this website and find out about who the Ancient Greeks were and what important events happened during their time.

[Who were the ancient Greeks? - BBC Bitesize](#)

I would like you to create a timeline of events that happened during the Ancient Greek times. I have attached the [events](#) I would like you to put in order as well as a [Timeline template](#) for you to stick them onto.

Remember because these events happened Before Christ (BC) the bigger the number before BC the older the event is. So 543BC is older than 213BC.



History - Has Greece always been in the news?

We are going to compare what the Olympic Games were like back in Ancient Greek times and what they are like today. Do you think they are going to be similar or different?



Click on this link that explains the Ancient Olympics and how they started.

[How did the Olympic Games begin? - BBC Bitesize](#)

Now watch the video of the 2012 opening ceremony in London.

[London 2012 - Olympics - Opening Ceremony Highlight's - YouTube](#)



What do you notice about the Olympics then and now? There are both similarities and differences between them! Can you create a table that explains the similarities and differences? Once you have finished you may want to pretend that you are an Olympian and act out some of the Ancient Greek events.