



Activity 2

CAN YOU MAKE A SOUNDPROOFING BOX?



Now that we have investigated how we can stop sound, let's put it to the test.

I am working with a music production company to soundproof a room for them so that they can record a new album.

Can you help me work out how we can do this by making the quietest room in your house even quieter?

DID YOU KNOW?

The quietest place on Earth is an anechoic chamber, a room designed to completely absorb sound, in Minnesota, USA.

No one can spend more than 45 minutes in there before they feel incredibly uncomfortable.



YOUR CHALLENGE

1 RESEARCH

What does soundproof mean?
What materials do we use for soundproofing?



2 BUILD

Build a quiet box! It needs to absorb as much sound as possible.

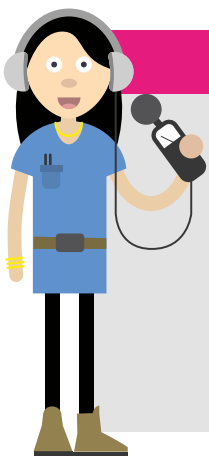


3 TEST

What is the loudest sound your quiet box can stop?



DON'T FORGET TO TAKE PICTURES!



CHEN'S TOP TIPS

Materials that are soft are best for absorbing sound, things like material and sponge.

