



Activity 1

CAN YOU STOP SOUND?



Hi, it's me Chen! I'm an acoustic physicist which means I look at sound and how we can control it.

This week I'm on a mission to investigate how I can make a room quiet.

The first thing we need to do is to understand how sound travels, because then we can understand how to stop it!

DID YOU KNOW?

The loudest city in the world in 2019 was Delhi in India.



YOUR CHALLENGE

1 RESEARCH

What is noise pollution and how does it affect us?
How do we measure sound?



2 INVESTIGATE

Can you find the quietest room in your house?

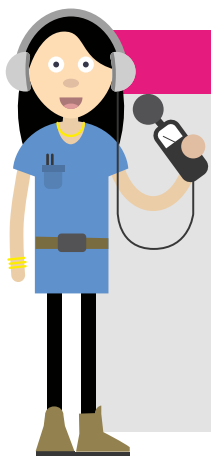


3 BUILD & TEST

Create a musical instrument using an elastic band. Ping your instrument and then stop – does the sound stop straightaway?



DON'T FORGET TO TAKE PICTURES!



CHEN'S TOP TIPS

You can download a free decibel meter on your phone to measure how quiet different rooms are.

