

Activity 1

STRING INSTRUMENTS



Hi, I'm Chen! I'm an acoustic physicist and this week I'm looking at musical instruments.

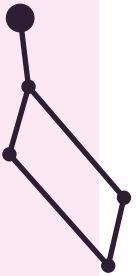
I'm creating a band with my family, but I need your help. Can you use your skills to help me add more instruments to my band?

Follow my plan below and remember to ask for help from your adults with things like cutting. Make sure you have lots of fun and I can't wait to see your creations!

DID YOU KNOW?

The constellation Lyra looks like a fish, but in Greek mythology it is a magical harp.

It has the power to make trees dance and ferocious beasts fall into a trance!



YOUR CHALLENGE

1 RESEARCH

Can you find some examples of stringed instruments. How do you play them?



2 BUILD

Design and build your own stringed instrument!

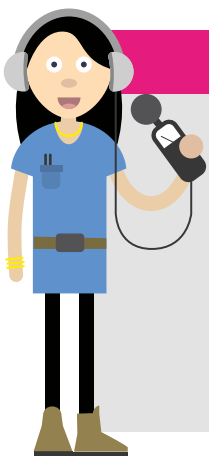


3 PLAY

What does your instrument sound like? Can you change the sound? Can you play a tune?



DON'T FORGET TO TAKE PICTURES!



CHEN'S TOP TIPS

Never underestimate how useful elastic bands can be.

Think about how real stringed instruments can change their sound and see if you can copy that with your musical instrument.

