

# Design and Technology Lesson Music Lesson

15.1.21

15.1.21

Objective: Can I plan and make a string musical  
instrument from junk?

# Task: Design and make a musical instrument

This week you will  
make your own  
**stringed** instrument  
using rubbish!



# What is a stringed instrument?



Watch this video and see if you can find the answer to the question:

<https://www.bbc.co.uk/bitesize/clips/z8s9jxs>

# What is a stringed instrument?

**Answer:**

Stringed instruments, are musical instruments that produce sound from vibrating strings when the performer plays or sounds the strings in some manner. (With their hand or a bow)



# Example percussion instruments



Violin



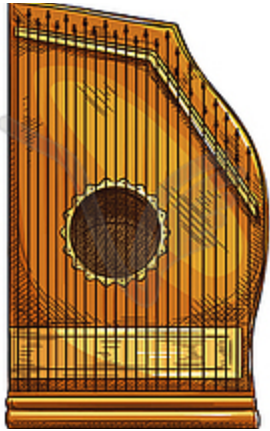
Harp



Guitar



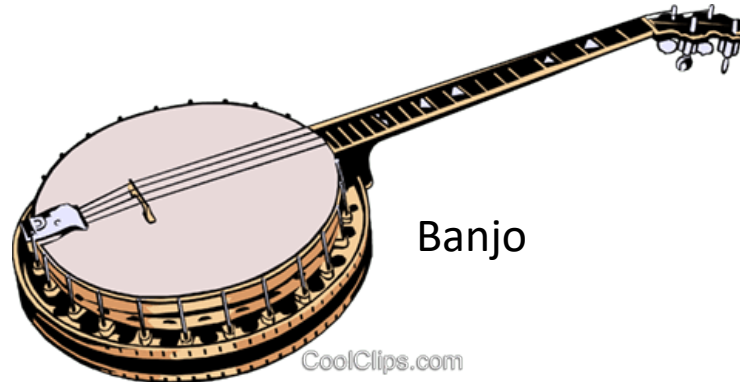
Sitar



Zither



Lute



Banjo

CoolClips.com

Can you think of any  
other kinds of string  
instruments?

# You can use any household junk

- Old CD disks
- String
- Milk bottle tops
- Dried rice
- Dried lentils
- Straws
- Balloons
- Paper plates
- Jar lids

Bottle tops  
Plastic spoons  
Empty plastic bottles  
Empty tissue box

Elastic bands  
Cardboard tubes  
Empty coffee tins  
Empty cardboard boxes  
Paper cups





# Here are some ideas to think about:

(You can copy one of these or make up your own)



Cereal packet

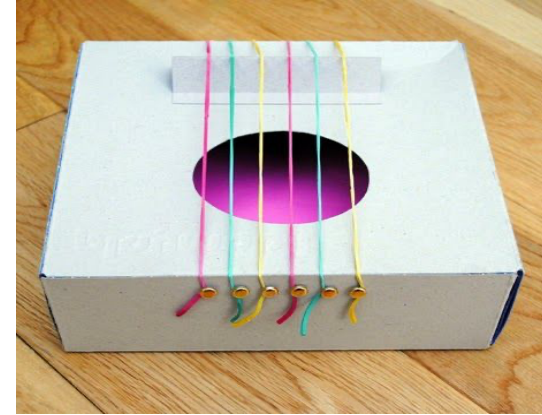


Tissue box



Elastic bands

Paper plate



String



Empty bottle



Jar lids



Baking tin



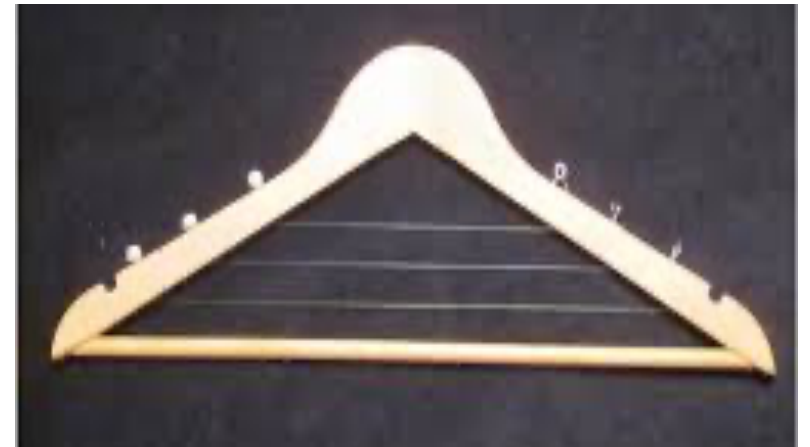
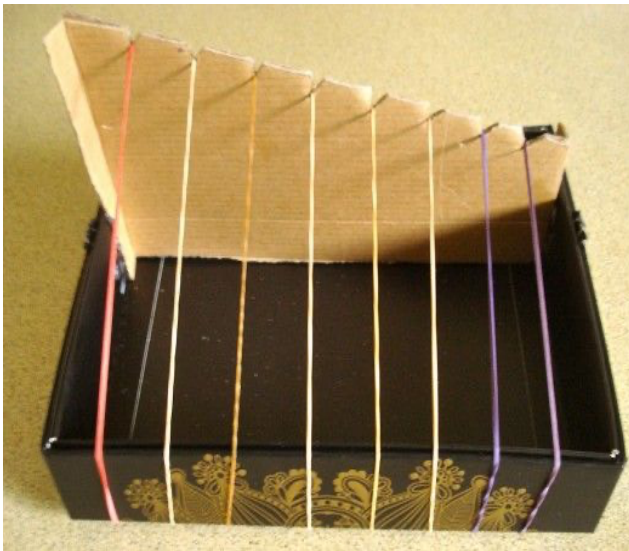
# Extra Challenge

## Make your string instrument play different notes.

Try to make your string/elastic bands different lengths or make some tight and some looser.

This will make some of your notes high and some notes lower when you pluck the string.

Examples





# Plan ahead!



What sort of instrument will it be?

---

Why have you chosen this instrument?

---

How will it work?

---

---

What materials or junk items and tools will I need?

---

---

Will you create this on your own? If not, who will you get to help you?

---

Draw a labelled diagram below to show how you **plan** to make your instrument

Label your diagram and say what it will be made of, what parts it has and how it is put together.

A large, empty rectangular box with a thin black border, intended for drawing a labelled diagram of the instrument.

# I can evaluate my own work.

This is what my instrument looked like when I finished it:

Does your instrument work? \_\_\_\_\_

Did you have any problems making it? \_\_\_\_\_

If you made it again, what changes would you make to your design? \_\_\_\_\_

How many marks would you give your instrument out of 10?

10

Why have you given your instrument this score? \_\_\_\_\_

Now take a photo of your finished instrument  
and post it on school Dojo

I can't wait to see what you create!



Next week – we will be making **wind instruments** from junk!