

D+T: Design and Make a Musical Instrument

Year 4: Spring 2

Lesson 2: Wednesday 3rd March 2021



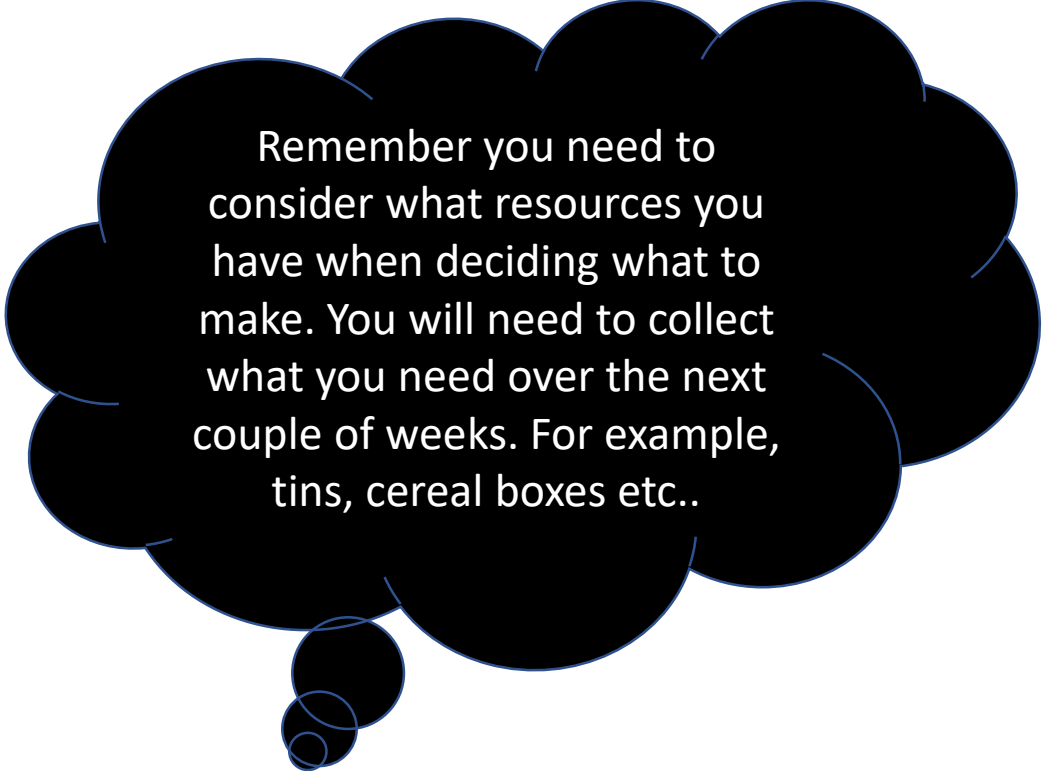
Important:

This half-term we are going to design and make musical instruments as part of our D+T project.

This links well with our English topic this week and our science topic on sound for this half-term. It's important you access all 3 subjects as you will be getting the information you need from them all to help you with the tasks.



Today you are going to explore different instruments to help you decide what type of instrument you would like to make.



Remember you need to consider what resources you have when deciding what to make. You will need to collect what you need over the next couple of weeks. For example, tins, cereal boxes etc..

WHAT kind of instrument are you going to make?

- String such as guitar, violin or keyboard
- Percussion such as drums or shakers
- Wind such as saxophone or flute



Last week you explored instrument groups, today you going to choose 3 instruments that you would like to find out more about before deciding which one to make.

Task 1: Choose three instruments and complete the task sheets as part of your booklet.

Our Investigation of Instruments

The children began exploring the different sounds of Musical instruments and how these sounds were made as part of our English Topic, Information Texts: Musical Instruments.

In science, as part of our 'Sound' topic we explored vibration and what part of an instrument vibrates to create a sound.

Learning Objectives

- ✦ To investigate and evaluate a range of musical instruments in order to learn how they work.

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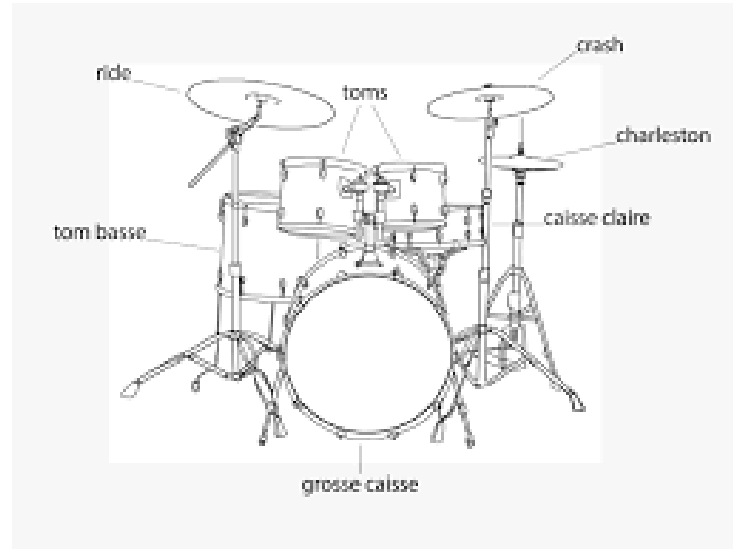
Useful Vocabulary to Describe Parts of an Instrument:

Box Arm Stem Board Beater String Skin Wood Plastic Rubber Elastic Hollow Solid

Useful Vocabulary to Describe Sounds of Instruments:

Vibrate Twang Blow Bang Scrape Shake Pluck

Important: Choose instruments that you could realistically make, think about the resources you will need. For example; tins for drums.



1) Draw a labelled diagram of each of your 3 chosen instruments.

You can either use instruments you have at home or research them on the internet.

You can use a blank piece of paper or print off from the home learning page.

LO: To relate the way things work to their intended purpose.

1. Name of instrument

What materials are the instruments made from?

Is it solid or hollow?

What parts does it have?

Which parts need to be strong?

Which parts make the noise?

How do you make the different notes?

2. Name of instrument

What materials are the instruments made from?

Is it solid or hollow?

What parts does it have?

Which parts need to be strong?

Which parts make the noise?

How do you make the different notes?

3. Name of instrument

What materials are the instruments made from?

Is it solid or hollow?

What parts does it have?

Which parts need to be strong?

Which parts make the noise?

How do you make the different notes?



Answer all the questions for each of your chosen instruments.

Next week you are going to start designing your instrument,
think about

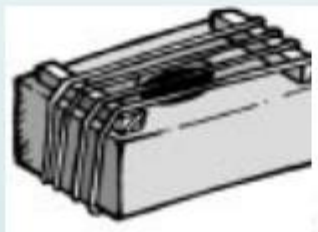
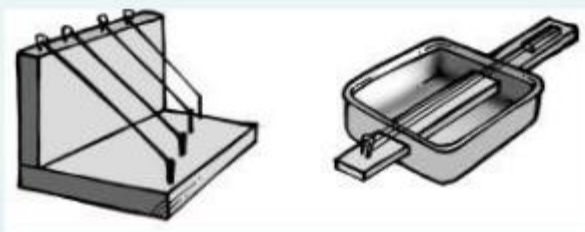
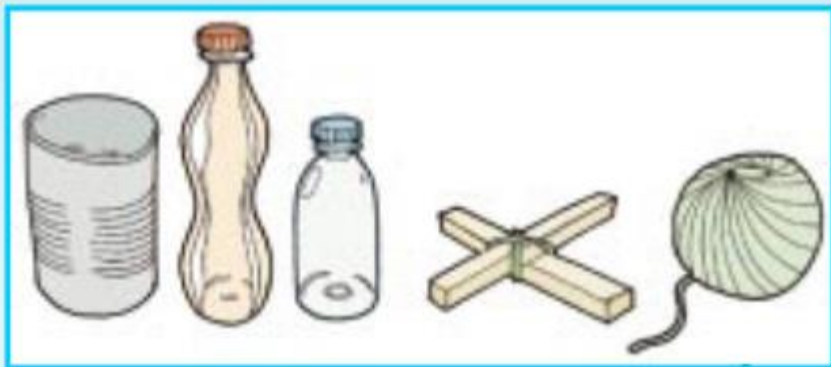
Designing your INSTRUMENT


THINK ABOUT THESE QUESTIONS

- ❖ What size is it going to be?
- ❖ Will you be able to play it?
- ❖ Does the pitch need to change?
- ❖ Will my instrument be decorated?



❖ What will I make my instrument out of?



The background of the slide is a white surface covered with various black musical symbols, including treble clefs, eighth notes, quarter notes, and sixteenth notes, scattered across the entire area.

Well Done Year 4!
Over the next week think about what instrument you would like to make, start collecting the materials you will need. Next week you are going to design your instrument.