



Science

Sound

Making Music



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Making Music

You have been learning all about sound.



Today, you are going to use your knowledge and understanding of sound, including pitch and loudness, to design and create your own musical instrument!

Your musical instrument should be able to make high, low, loud and quiet sounds.

You may use junk modelling items to create your musical instrument. It could be a string, wind or percussion instrument.



Making Music

Did you come up with some ideas?

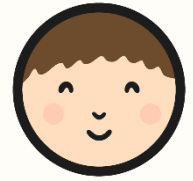


Watch this clip to see a band called 'Weapons of Sound', who make all their instruments out of junk. Look carefully to see how they change the sounds their musical instruments make. Can you see anything that will help you make your own musical instrument?



Click on this image to play the video in a new window.

Design and Create



Use your Resource Sheet to design your musical instrument.

Look at the materials you have available, and decide how you will use them to bring your ideas to life. Make sure you plan how you will make your musical instrument play high, low, quiet and loud sounds.

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Test and Evaluate
Test your musical instrument out to see how it sounds.
Has it turned out how you expected?

How did you solve any problems you had?

Can you explain how you can hear different sounds?
Refer to vibrations, particles and your ear.

You may want to stick a photo of your musical instrument here.

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Making Music

Design and Create
What will you use to make your musical instrument? Draw or write a list of things you will need.

Draw a picture of how you think your musical instrument will look when it is finished. Label it to show what each part will be made from and how it will work.

How will you make high and low sounds on your musical instrument? Draw a picture or write about it.

How will you make loud and quiet sounds on your musical instrument? Draw a picture or write about it.

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Making Music

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How will you make high and low sounds on your musical instrument? Draw a picture or write about it.

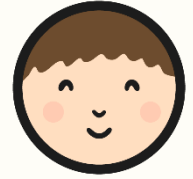
How will you make loud and quiet sounds on your musical instrument? Draw a picture or write about it.

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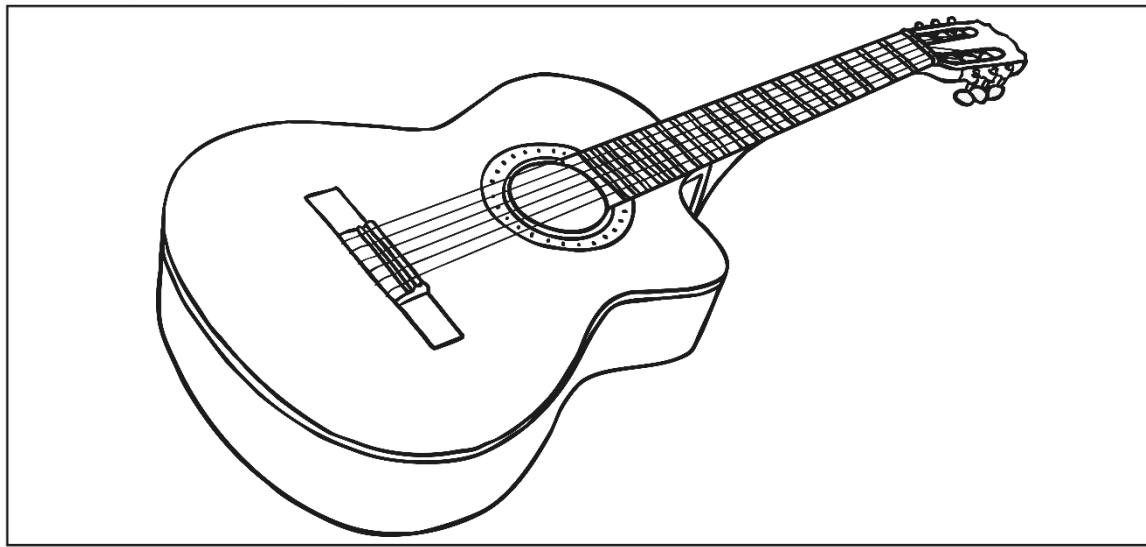
Design and Create



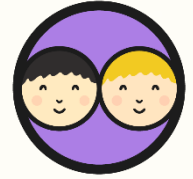
Now it's time to turn your plan into reality! Use your design to create your musical instrument.

While you make it, remember to try it out at regular intervals to make sure it works the way you want it to. If you come across any problems, think carefully to find a solution. Try different ideas if you need to.

Draw a picture of how you think your musical instrument will look when it is finished. Label it to show what each part will be made from and how it will work.



Test and Evaluate




Once your musical instrument is complete, you need to test it out.

Show someone in your house how you play it and how you use it to make different sounds. Think about whether your musical instrument has turned out the way you planned it.

Complete the Evaluation section of your Making Music Activity Sheet, explaining how your musical instrument works.

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Test and Evaluate
Test your musical instrument out to see how well it works.
Has it turned out how you expected?
It has turned out better than expected. I have done very well in making the musical instrument with particular adjustments.
How did you solve any problems you had while making it?
I managed to solve most of the problems through thinking a lot about what could go wrong beforehand. This way I planned things to try and avoid problems.
Can you explain how you can hear different sounds from your musical instrument? Refer to vibrations, particles and your ear, as well as high, low, loud, and quiet sounds.
You may want to stick a photo of your musical instrument below.




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Test and Evaluate
Test your musical instrument out to see how well it works.
Has it turned out how you expected?
It has turned out better than expected. I have done very well in making the musical instrument.
How did you solve any problems you had while making it?
Some parts didn't stick done well so to solve that I used a hairdryer to help the glue dry quicker.
Can you explain how you can hear different sounds from your musical instrument? Refer to vibrations, particles and your ear, as well as high, low, loud, and quiet sounds.

Use these words to help you:
low pluck long high blow hard
ear particles hit vibrate travel short air play quiet soft

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