Year 4 Topic Learning for week beginning: Tuesday 6th January 2021

Lesson 2 - Thursday Science To Explain How Sounds Travel

You can watch this video clip about how drums make sounds: <u>Music / Science KS2:</u> <u>How drums make sound - BBC Teach</u>

Watch the PowerPoint which tells you about sound being vibrations that travel to our ears. The louder the sound, the bigger the vibrations.

There is a little experiment you can do with this if you place rice on a drum skin Observe what happens. I am not expecting you to be able to try this at home - do not worry.

There is a link to watch in the PowerPoint and this is it: <u>Understanding sound - KS2</u> <u>Science - BBC Bitesize</u>

How do we hear sounds? Look at the structure of the ear. For your task create a colourful poster explaining how sound travels to our ears and how we hear this. Make sure you remember to include a diagram of the ear.

For more information on this lesson and adult, background notes, this can be accessed at: Access this lesson using pin code: **CJ9032** at <u>Twinkl Go</u> <u>Lesson 3 - Friday - Science</u>

To explore ways to change the pitch of a sound.

You can watch this video clip about how woodwind instruments make sounds. <u>Music / Science KS2: How woodwind</u> <u>instruments make sound - BBC Teach</u>

Watch the PowerPoint which tells you about changing the pitch of a sound. Here are the links to the video clip in the PowerPoint What makes noise sound higher or lower? -KS2 Science - BBC Bitesize

<u>Making sounds with different pitches -</u> <u>KS2 Science - BBC Bitesize</u>

Have fun making a reed straw - this is explained in the PowerPoint and on the worksheet as PanPipes. We will show you how to make these as a video clip - it is great fun, but do not worry if you haven't got the resources, you will still learn by watching the video we attach.
Complete the worksheet with a drawing of your PanPipes and tell me how you made these. Or you can make a little poster explaining or take some photos. Rather than making a whole set of panpipes, you could make a low and a high one and explain the difference.
I hope you enjoy this. (3)

For more information on this lesson and

adult, background notes, this can be accessed at: Access this lesson using pin code: CJ0715 at Twinkl Go

What was the noisiest place that you visited around your school?						·P	What sounds could you hear? What was vibrating to make the sound? Su	Describe the sounds you could hear in the place you visited in your school, and explain what was vibrating to make each sound.
			The table.	• The air.	• The floor.	 People's vocal chords. 	Suggestions:	ake each sound.

()()

Wednesday's Science worksheet - Sound Survey

Friday's Science Worksheet:

Straw Pan Pipes

Use several straws to make a set of pan pipes! Each straw should play a different pitch when you blow into it.

Flatten the end 2cm of each straw, and cut a triangle in the end.

Prepare several straws like this, then think about how to change the pitch of the sound each straw makes. Stick or tie the straws together to make your set of pan pipes.



Blow hard through the triangle end of the straw to make a sound. You may have to try few times to make the sound!

Draw a picture or stick a photo of your finished pan pipes in the box below.

Use these words to help you write your explanation: sound vibration pitch high low short long air different length

Explain how you created your pan pipes so that they can play sounds of different pitches.

