



# MUSIC

## SECOND LEVEL

P5 P6 P7

T4 Wk 9



 LISTENING 	 INVENTING 	 PERFORMING 
<p>A couple of weeks ago I asked you to listen to some bizarre music. This time instead of the “music” being odd, it is the instruments that the music is played on. So, you will recognise some of the melodies but might never have seen what it is played on before.</p>	<p>Unless you have a home plumbing business, it’s unlikely that you could invent your own set of Rimba Tubes. The nearest I could find for you to use online are the <b>Boomwhackers</b>. They use the <b>RAINBOW</b> colours that we use in school. There are some instructions on the next page to help you invent your own “<i>Rimba Rainbow</i>”  <a href="https://www.musick8.com/boomwhackers/playboomwhackers.php">https://www.musick8.com/boomwhackers/playboomwhackers.php</a></p>	<p>Put on a performance of the “<b>WEIRD AND WONDERFUL</b>”. Did you try all the invention tasks? If you learned well-known music, how successful was it? Did your audience recognise the melodies?</p>
<p><b>Rimba Tubes-</b>  <a href="https://www.youtube.com/watch?v=K_T-w3D2QKY">https://www.youtube.com/watch?v=K_T-w3D2QKY</a>  <b>Glass Harmonica-</b>  <a href="https://www.youtube.com/watch?v=OYEJtQzHt70">https://www.youtube.com/watch?v=OYEJtQzHt70</a>  <b>The Hang-</b>  <a href="https://www.youtube.com/watch?v=73aiV9zWDRc">https://www.youtube.com/watch?v=73aiV9zWDRc</a>  <b>The Marble Machine-</b>  <a href="https://www.youtube.com/watch?v=lvUU8joBb1Q">https://www.youtube.com/watch?v=lvUU8joBb1Q</a>  <b>Theremin-</b>  <a href="https://www.youtube.com/watch?v=Wpwn2LYy9eA">https://www.youtube.com/watch?v=Wpwn2LYy9eA</a></p>	<p>The <b>Glass Harmonica</b> was invented as a simpler way to play a set of glasses filled with water so the player could play multiple notes at once. BE VERY CAREFUL WITH GLASS, but can you recreate a simple set up of the “original”- Watch this but see the help sheets too. <a href="https://www.youtube.com/watch?v=kBDSvyYfkt8">https://www.youtube.com/watch?v=kBDSvyYfkt8</a></p> <p><b>The Hang</b> was created after researching the <i>Steelpan</i>. It is essentially two “shells” like the tops of two <i>Steelpans</i> glued together to form a “ball”. The nearest you might have at home would be an <i>upside-down wok</i> or some other pot/pan from the kitchen or checkout the recycling for empty cans. Watch here but also see the help sheets.  <a href="https://www.youtube.com/watch?v=eLhgijWxuM">https://www.youtube.com/watch?v=eLhgijWxuM</a></p>	<p>Here are some more weird and wonderful instruments. Sing along with the songs you know. You could even try and recreate some of the techniques if you have spare time on your hands 😊</p> <p><a href="https://www.youtube.com/watch?v=DnKOzdEa80A">https://www.youtube.com/watch?v=DnKOzdEa80A</a></p> <p><a href="https://www.youtube.com/watch?v=2bln2Cq27Xg">https://www.youtube.com/watch?v=2bln2Cq27Xg</a></p> <p><a href="https://www.youtube.com/watch?v=tVCiaYhcDos">https://www.youtube.com/watch?v=tVCiaYhcDos</a></p>
<p>Those instruments are all “man-made”. They either use the properties of instruments like the percussion and woodwind family’s qualities included in the Rimba Tubes or like the Theremin they use electronics and the physics of sound to produce notes. What about this?  <a href="https://www.youtube.com/watch?v=Oym7B7YidKs">https://www.youtube.com/watch?v=Oym7B7YidKs</a></p>	<p><b>The Marble Machine</b> is going to be the trickiest to invent music with, but you can use the same “mechanics” to make your music. The instrument is essentially a giant marble run so if you have some marbles or small balls of any kind use them as your musical “ammo”. <a href="https://www.youtube.com/watch?v=KTSfkvtUSjw">https://www.youtube.com/watch?v=KTSfkvtUSjw</a> and see the help sheets for ideas.</p> <p>Leon Theremin invented his <b>Theremin</b> nearly 100 years ago. It is a musical instrument that you don’t even need to touch. Invent your own melody or play something you know. You can experiment with the switches.  <a href="https://theremin.app/">https://theremin.app/</a></p>	<p>Send me a photo or a short video of anything you have done. I’d love to see how you are getting on. Don’t forget to add your Name, Class and School.</p> <p>gw08mccnochieleona@glow.sch.uk</p>

# “Rimba Tubes”

Click here to change to a Boomwhacker set that only uses 8 notes like in school rather than a “piano” set up

Below are the C Major Diatonic and the Chromatic Add-On Sets. Click to play the Diatonic set only.

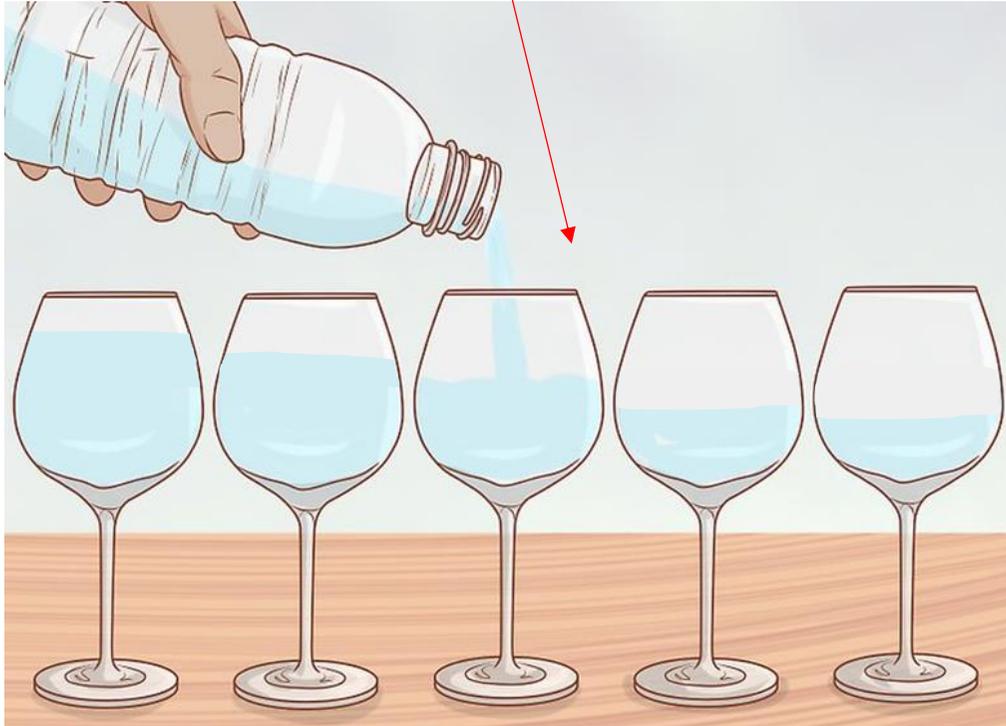


The letter names of the notes are shown at the top of the tubes. This might help you if you already know the tune you want to play.

Touch a Boomwhacker to play it either by clicking with a mouse or using your finger on a tablet.

Invent your own melody or try to figure out the notes needed for one you already know. You can write the notes or colours down to help you remember your tune.

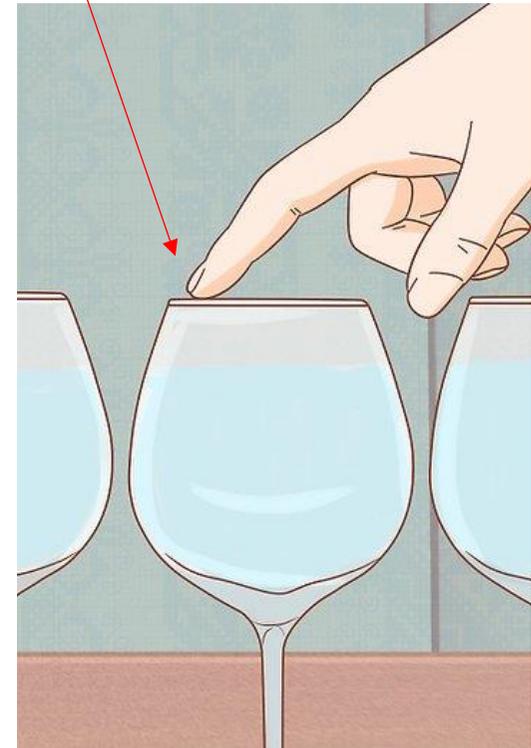
Set up a row of a few glasses and fill them with different levels of water. You can attempt to recreate a realistic musical scale but make sure the notes are different.



If you have set up a musical scale you might be able to play simple melody. Otherwise you can "*improvise*" a tune using a combination of glasses. The more glasses the more interesting the melody.

# Glass Harmonica

Dip the tip of your finger in water and GENTLY, but firmly, run it round the rim of the glass until you are able to start the vibration. This technique may take you some time to master.



# The Hang

Using a couple of upturned pots or pans, and by just using your fingers, tap in different places on the bases. The centre will give a different sound from the edge. Big pots will sound different from small.



Although the video example showed you how to recreate a *Steelpan*, the idea of using tin cans is the same to recreate your own *Hang*. As the surface area is smaller, I recommend using the pencils rather than your fingers.

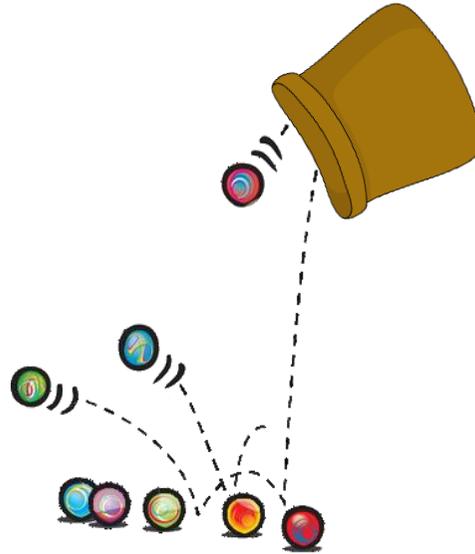


There probably won't be much difference in *tonality* in the notes you can create between the variety of pans or tins you have chosen, so, invent a *rhythmic* piece to play on you Hang.



If you have found a large enough collection of empty tin cans, you can hold them together with an elastic band or tape, so they are set out the way you want them.

# “Marble Machine”



Gather together a wide variety of **SOUND MAKERS** and arrange them in any way you like. Using marbles as your “beaters” create a melodic/rhythmic invention. The faster you drop, the slower you drop, the higher you drop from.... these changes will all affect the music you create.



# Theremin

If you have a camera attached to your device, the Theremin App can also work like a “real” Theremin where the gestures you make with your hands are picked up by the camera and are transferred to the Theremin. Your left hand moving up and down controls the volume. Your right hand moving left to right controls the pitch.

Using the playing technique you have decided on and the settings you have chosen, you can play either a melody you know or invent your own tune.



Use your mouse or a finger if on a tablet, to move the pointer to change the notes. The volume is changed by how high up the screen you point. Different notes are made by moving from lowest on the left to highest on the right.

There is a MASTER VOLUME switch which sets the basic level.

This shows the type of sound wave you are creating, and the *oscillator* switch changes the form of the wave.

Switching on the *Glide* button adds “bars” to the screen so you can see where the individual notes are within the Theremin’s range and might help you if you know the note names for a tune you want to play.