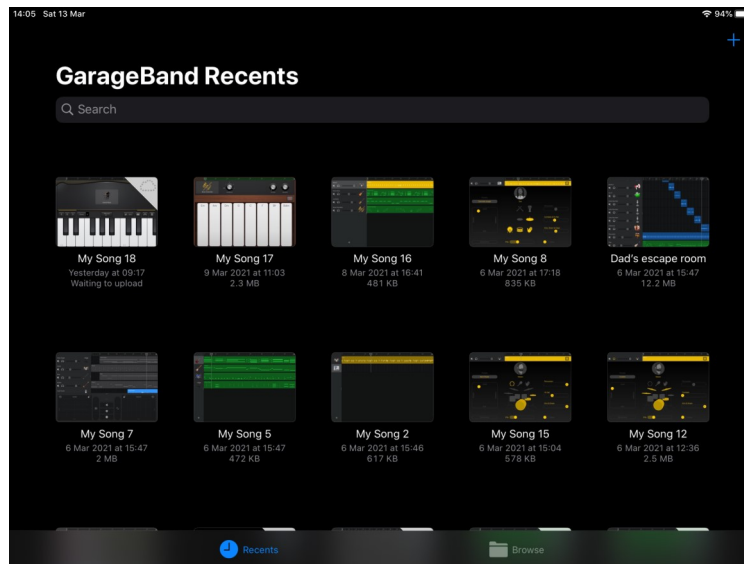




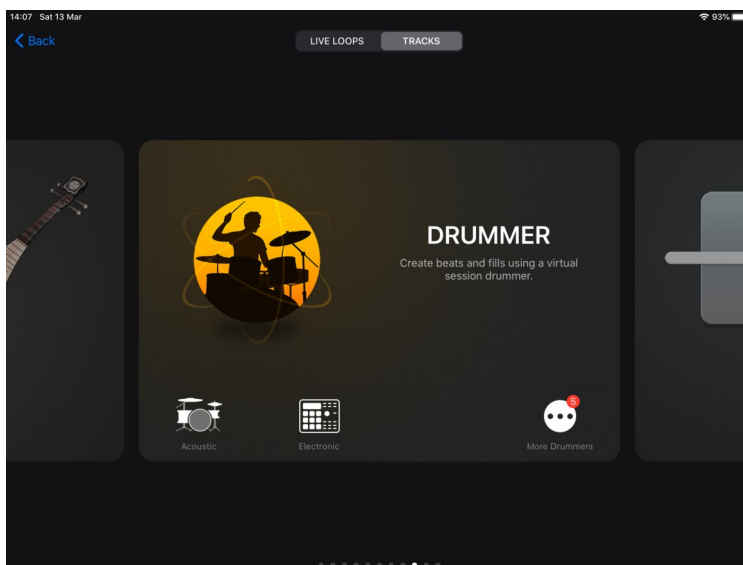
## Creating a 2 Tone style track in Garageband

Garageband is free to download from the Apple store on any Apple device.

When you open Garageband, it might look a bit like this. Here's what the iPad version looks like.



To create a new song, press on the plus button!



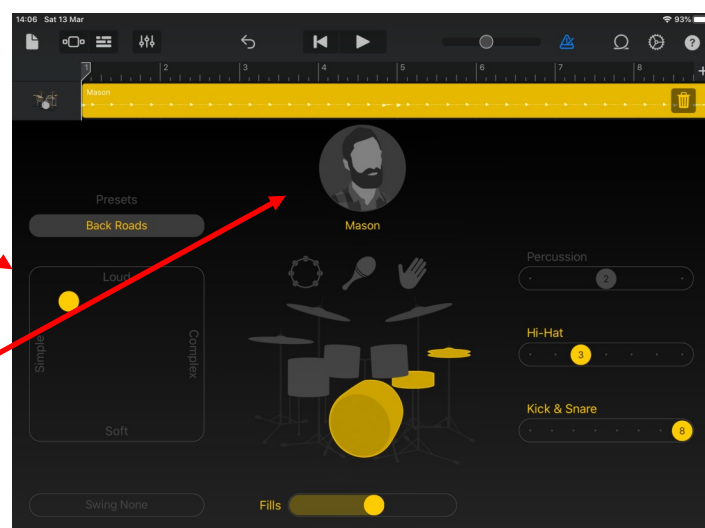
You will see there are lots of options for instruments here. Scroll with your finger and have an explore.

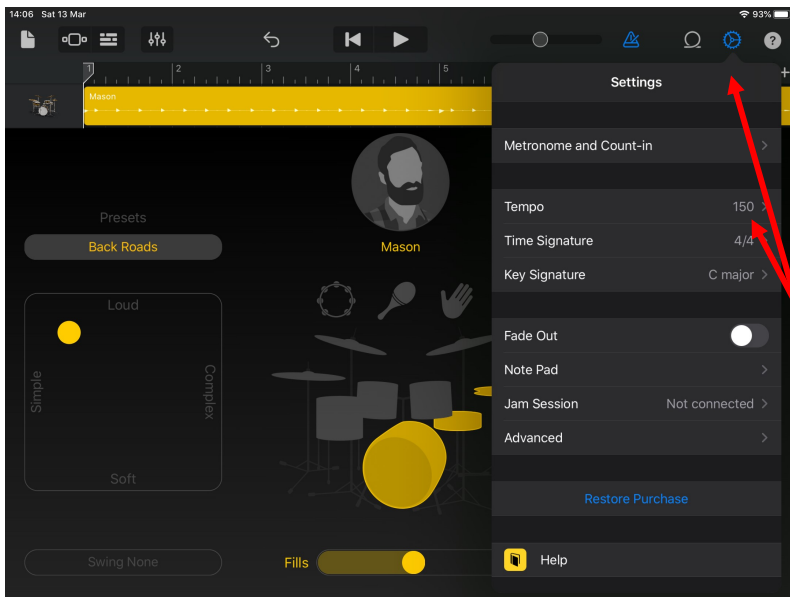
For our 2 Tone song, we're going to use the DRUMMER instrument.

Have a play with the different options here. You can change the different parts of the drum kit and the style of playing. Just move your finger around the box here.

For our 2 Tone song, we're going to change the drummer to *Mason* by tapping the picture in the middle.

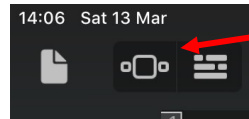
To make a 2 Tone drum rhythm, change your settings to the same pictured here.



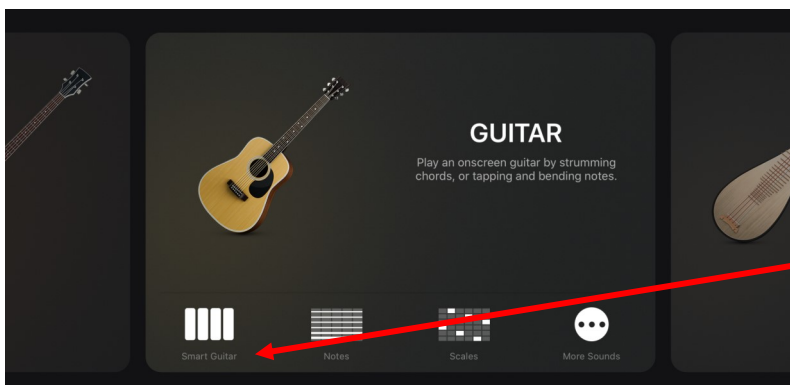


2 Tone music is a fusion of Jamaican ska, punk rock and reggae amongst other genres. For this song, the tempo (speed of the music) is set at **150** to give a fast ska feel.

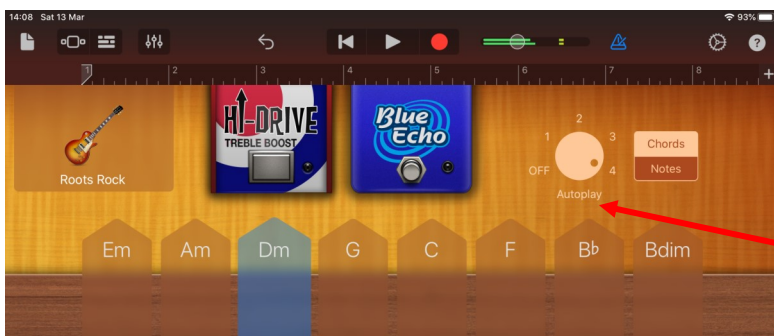
Simply tap on the wheel and tap *Tempo* to change the speed of song.



Tap on this button in the top right to get back to the instrument options

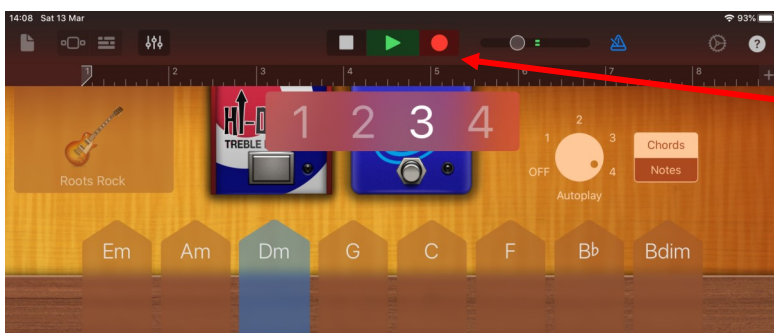


Next, we are going to add some guitar. Scroll along to the guitar option and press *Smart guitar* in the bottom left.



There are a lot of options here so have a play around!

For our 2 Tone song, we're going to select the guitar *Roots Rock* from the picture and use the *Autoplay* wheel to get a cool guitar riff.

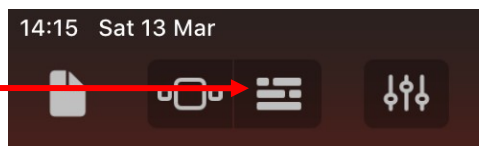


Tap on the chords here and find one you like. Then, when you're ready, press record button on the top to record your chords in. Your screen will look something like the example.

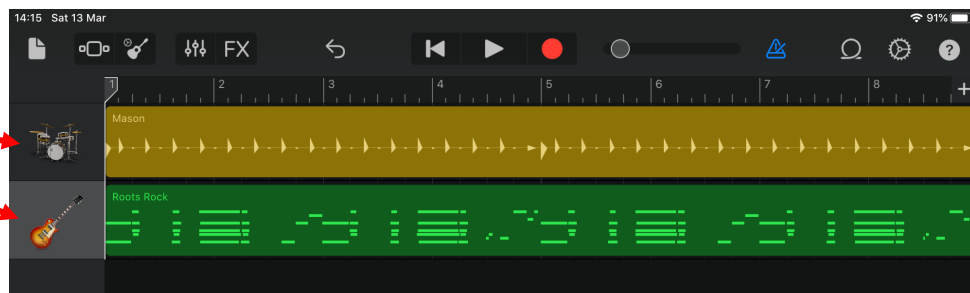


You will see a little red bar filling up. That means it is recording the current sound. When it turns green, your recording is finished! Just press the stop button to pause the song.

Press the button that looks like a brick wall to get to the **timeline**.

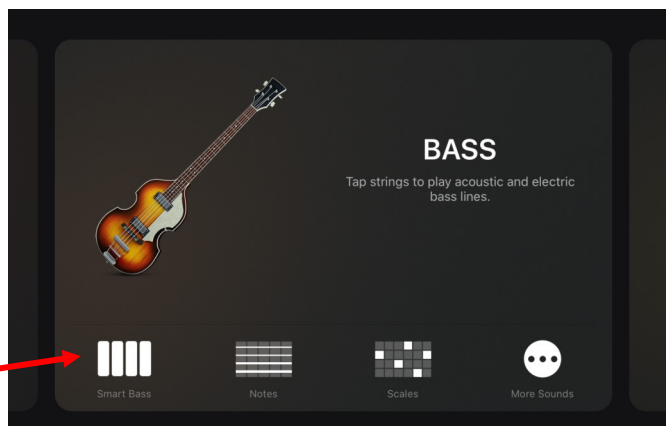


This is where all the music you have recorded lives. You can see our drums and guitar here.

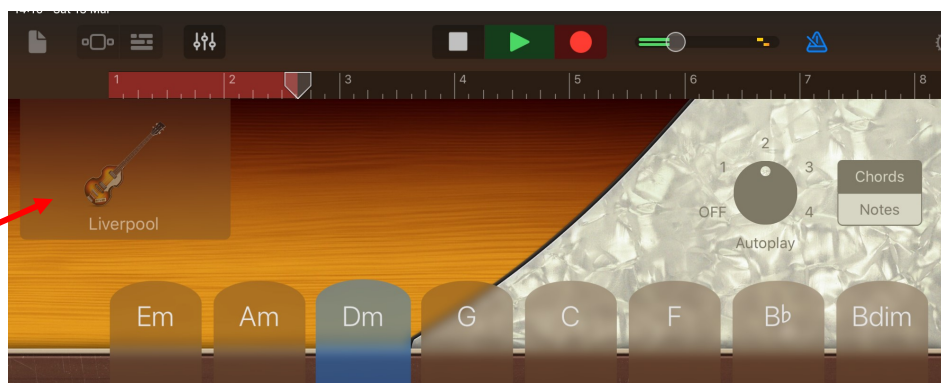


To get our full 2 Tone band sound, we are going to add a bass guitar. It is just like a normal guitar, but plays the bottom notes in the band and brings the sound together.

Select *Smart Bass*



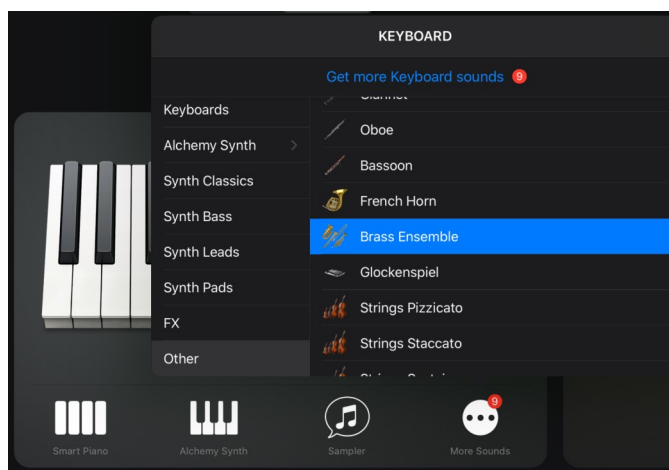
Just like we did with the guitar, select a chord and move the *Autoplay* wheel until you find a sound you like. You can also change the type of bass by tapping on the picture.



When you're happy with your bass guitar, record it in!

#### EXTRA TIP:

Go to the *Keyboard* instrument and add in a *Brass Ensemble* for a true 2 Tone sound!



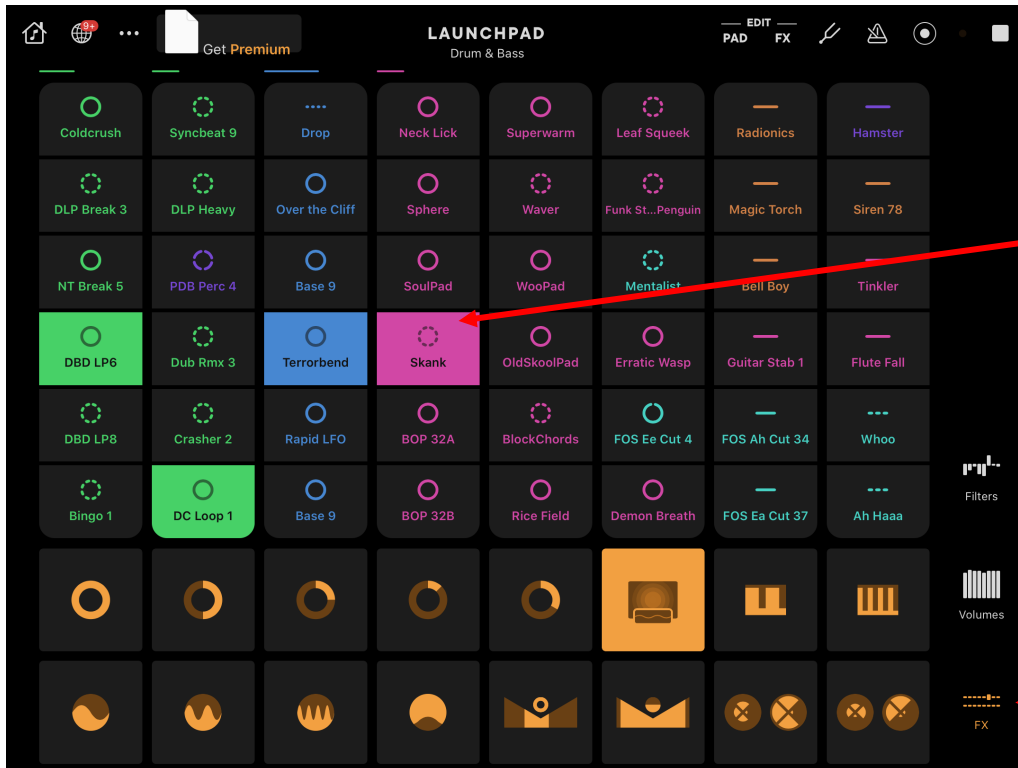
Great job—you've made an easy 2 Tone track!



## Launchpad—easy electronic music creation

Electronic music is a huge part of the UK's history. Techno, Drum and Bass, Dance, Synth Pop... the list goes on.

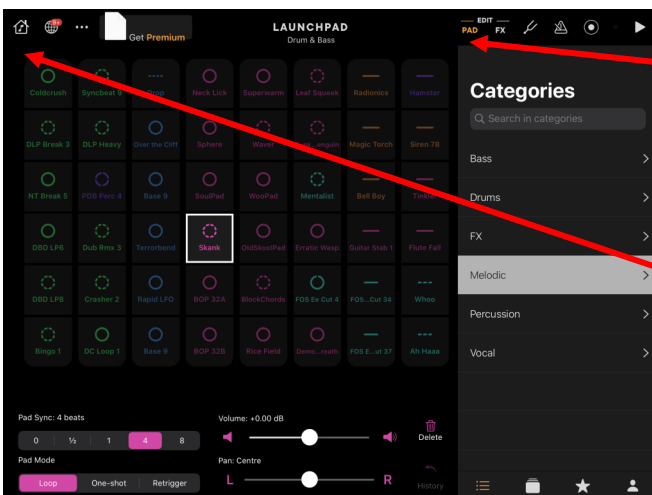
**Launchpad** is an easy-to-use app that allows you to create electronic music. It's completely free on both Apple and Android devices.



Each box has a different sound, whether that be drums, synths, bass, or sound effects.

You can select as many boxes as you like, but to make your music sound like a real song, try to only have one or two drums, one bass and maybe one or two synths. Then warp your sound with some wicked **audio effects!**

You also have the option to change the filters (making something sound underwater) and volumes (how loud something is) of your music.



Clicking the **PAD** option allows you to change the sound of each box. Just select the one you want to change, and find a sound in the categories tab.

**Launchpad** also allows you to explore other genres of music. Go to the small home icon in the top left and choose a new genre of electronic music and see what you can create!



## Creating music using tape



**Delia Derbyshire** was a pioneering musician and electronic music composer who worked for the BBC Radiophonic Workshop from 1960. She was born in Counden, Coventry and graduated from Cambridge University with a degree in mathematics and music. She was turned away from record labels because of her gender but later found her place at the BBC where she arranged

Everything she wrote was written onto tape, which was incredibly hard to do as there were no computers to change or edit of the sounds. It had to be done all by hand.

**Have you heard any music that was created or produced on tape? Any music pre-1980 is likely to have been recorded onto tape.**

# Overdub



**Overdub is a great app that is totally free to download on Apple devices. It is designed like an old cassette tape machine. You can see the way the app is designed looks very retro!**

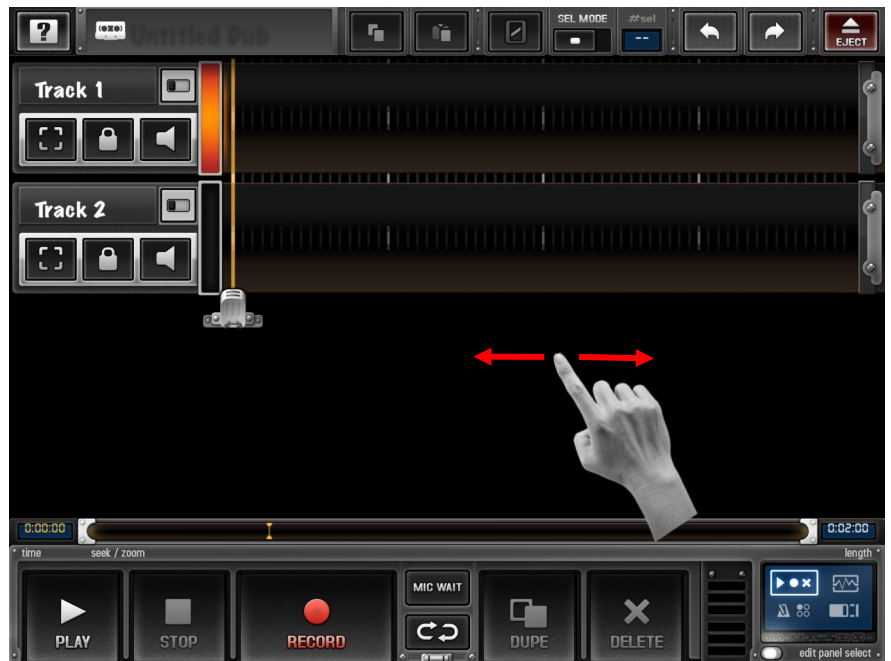


**Overdub** is a cool app that allows us to record any sound and create our own music.

You can create a new tape by pressing here!

Now we've opened the main editing screen.

You can select each track by clicking on the vertical bar—the selected track will turn orange.



Let's record! Find a household object to record. It could be a plastic bag, a set of keys, or body percussion, such as clapping your hands or clicking your fingers.

Pressing the **record** button will start the recording process. Try making your sound into your device microphone and watch the app record you.

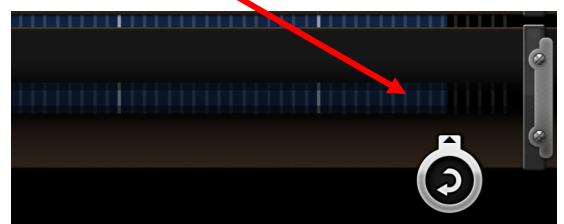
The recorded audio will appear as orange until you stop recording by pressing the record or stop button.

When you've recorded something, press play to hear what you've made. Your freshly recorded dub will appear light blue.

If you want continuous playback, press the **loop** button at the bottom which will play your recorded dub back to you until you press pause or stop.



The **loop** function will bring up a set of markers for where you want the loop to start and finish. You can hold and drag



The box in the bottom right hand corner of the app allows us to change the type of panel, giving us different tools to use.

Clicking on the box will cycle through the different panels.

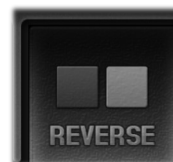


To edit the what we've recorded, we need to tap until we get to the **Clip Edit Panel**. It should only be one tap away from the **Play/Record Panel**



Once you've recorded in your sound, have a play with these different effects. They change what you've recorded into something quite different.

For example, a plastic bag recording can sound like ocean waves or the wind if we **stretch** it longer and **pitch** it down!



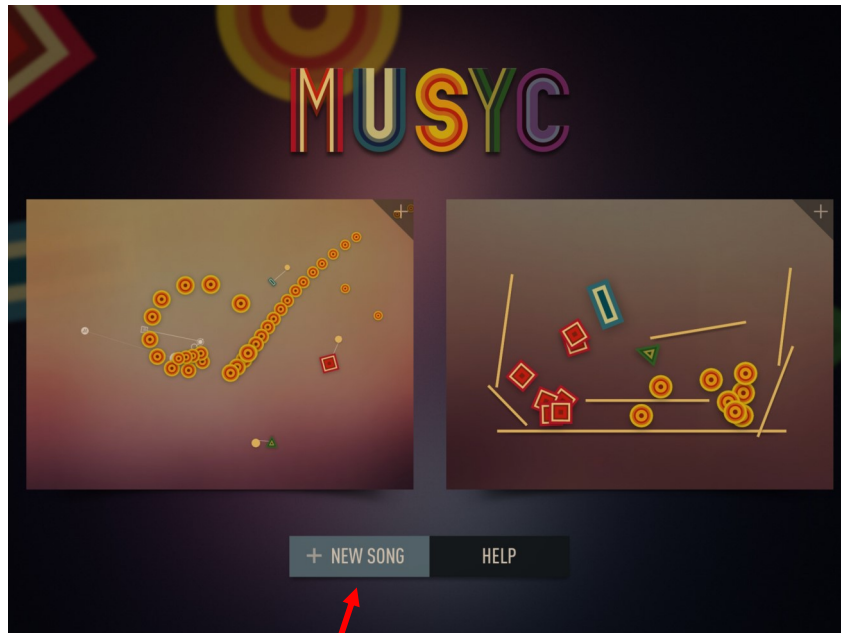
This is how Delia Derbyshire created a lot of the sounds for the Tardis in Doctor Who.

What sounds do you think she used?



## Relaxing music apps

Musyc is a free app on Apple devices where you can create simple bits of music using shapes and lines.



Tap on **+NEW SONG** to create a new landscape.



Each object has its own unique sound.

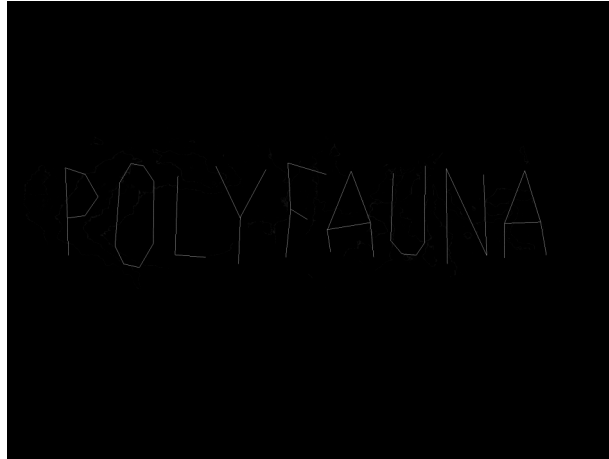
Click on them and tap in the space to create your own unique creation!

Have a explore—you can change everything from how quickly the objects move to the type of sound they make.

Challenge: can you draw a musical picture using the lines and objects?  
You could draw your name with the lines and find a way to keep the objects playing inside the letters!



**Polyfauna is a free app for both Apple and Android.**



It's a very relaxing and easy app to use. You might find yourself in a landscape that looks a bit like one of these.

Look around the space by moving your device (like virtual reality) and using your fingers to change the sound that comes out. You can also move your device around to change the sound.

**Use headphones for the best experience!**

