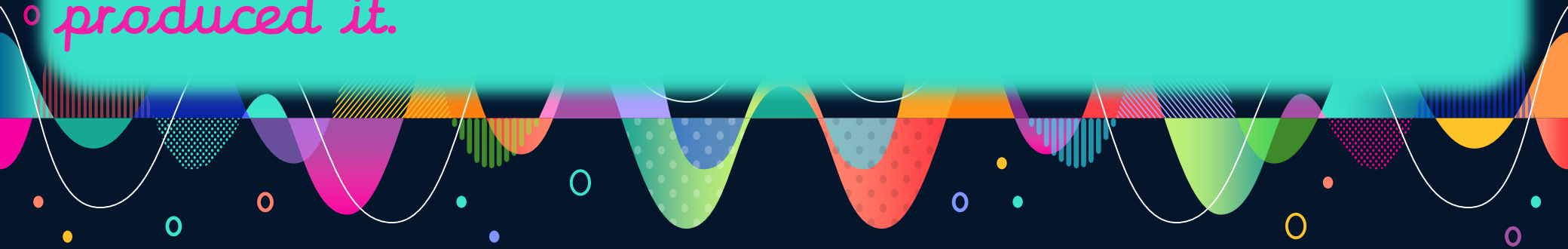


# Science Week Sound

## TUESDAY 23RD FEBRUARY - FOCUS FOR THE DAY:

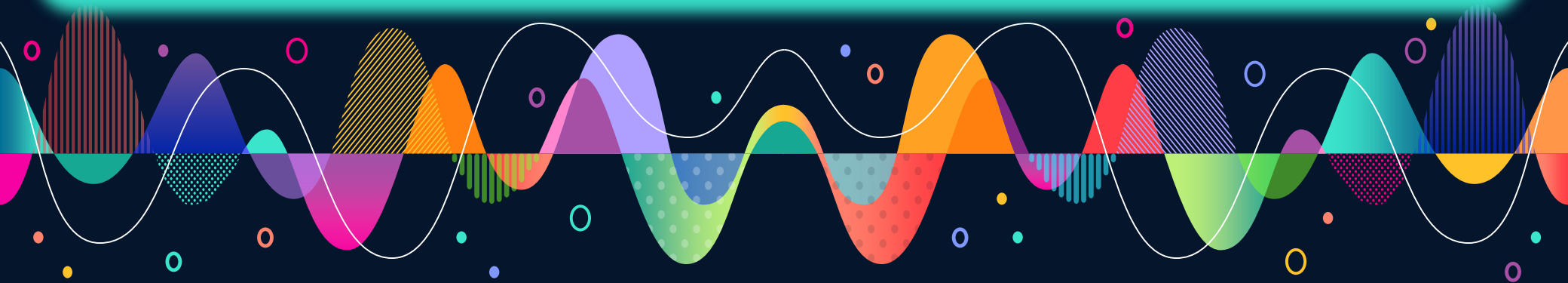
- \* Identifying how sounds are made, associating some of them with something vibrating;
- \* Finding patterns between the pitch of a sound and features of the object that produced it;
- \* Finding patterns between the volume of a sound and the strength of the vibrations that produced it.



# BECOME A 'FOLEY ARTIST'

Start by finding out what a 'foley artist' is and what they do.

Today, is all about creating sounds. Exploring how many different sounds you can make using things you will already have at home. We will be putting them together to create rhythms, different effects (calm, relaxed, lively etc) and emotions (happy, excited, sad, angry, nervous etc).  
Hope you have fun creating and exploring!



# HOW MANY DIFFERENT WAYS CAN YOU MAKE SOUNDS?

Gather together the following pieces of 'equipment':

- A piece of paper, or sheet of newspaper;
  - A plastic cup, or plastic bottle;
- A plastic bag, or empty crisp packet
  - Cardboard box (any size will do)
    - A piece of tinfoil
    - Your hands
    - Your feet

Next, using each piece of equipment, ONE AT A TIME, explore with it for a while and see how many different sounds you can make.

Questions to ask as you investigate. Can you make a...

- \* Sound that sounds like something else (for example, rain, wind through branches on a tree, a train, a car, water dripping, the sea?
    - \* Really quiet, calm sound/rhythm?
    - \* Really loud, 'busy' sound/rhythm?
    - \* Sound like an animal, or bird?
    - \* Sound like a door opening/closing?
  - \* Sound like footsteps? Footsteps in snow? Footsteps in a forest?
- These are just to get you started, you may have other ideas as you investigate with the materials.

You might want to record some of your favourite sound effects.

# USE THE SOUNDS YOU HAVE DISCOVERED...

Explorify



Watch this short video on Explorify.

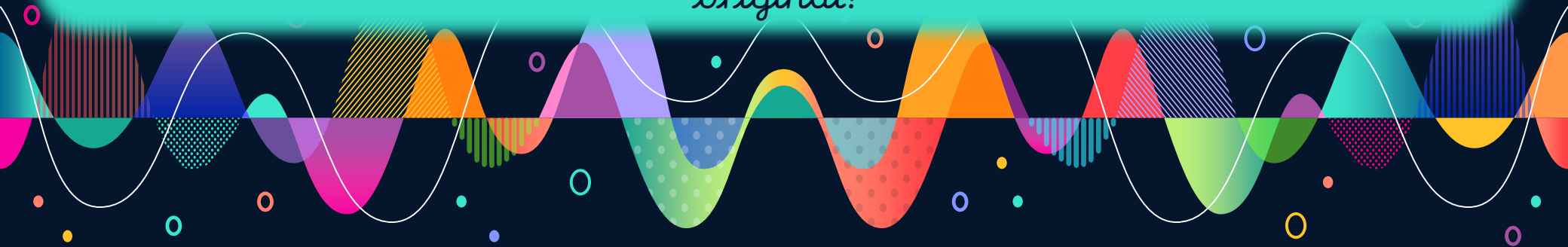
Read through the instructions before you watch the video - no cheating!  
The video is split into 2 parts: the first half is silent. You have to guess what sort of sounds might be happening.

Have a go recreating the sounds you think are happening using some of the equipment you used for the first activity. You might have some new ideas about other things around the house that you could use....

Once you have had a go at recreating the sounds, watch the 2<sup>nd</sup> half of the video.

Questions to ask:

- \* How close were you to the original sounds?
- \* Was there anything that surprised you?
- \* Now that you have heard the sounds, could you have another go, maybe using something different to create a sound that is closer to the original?

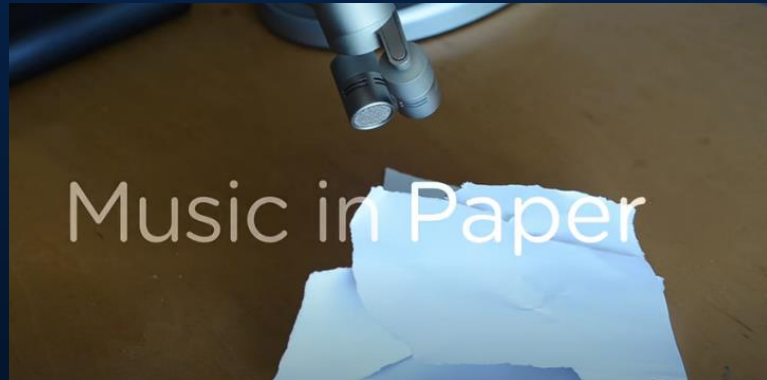




# HOW MANY DIFFERENT WAYS CAN YOU MAKE SOUNDS?

Now that you have had a go at creating sounds using simple, everyday materials and your hands and feet, watch these videos to see how other people have used the same things to create sounds. I've added in some others to give you more new ideas, too! Watch carefully to see which shapes, or materials, make particular sounds.

Click on each image to access the link.



Stomp is a musical stage show. They are AMAZING at creating sounds and soundscapes out of everyday objects!



# HOW MANY DIFFERENT WAYS CAN YOU MAKE SOUNDS?

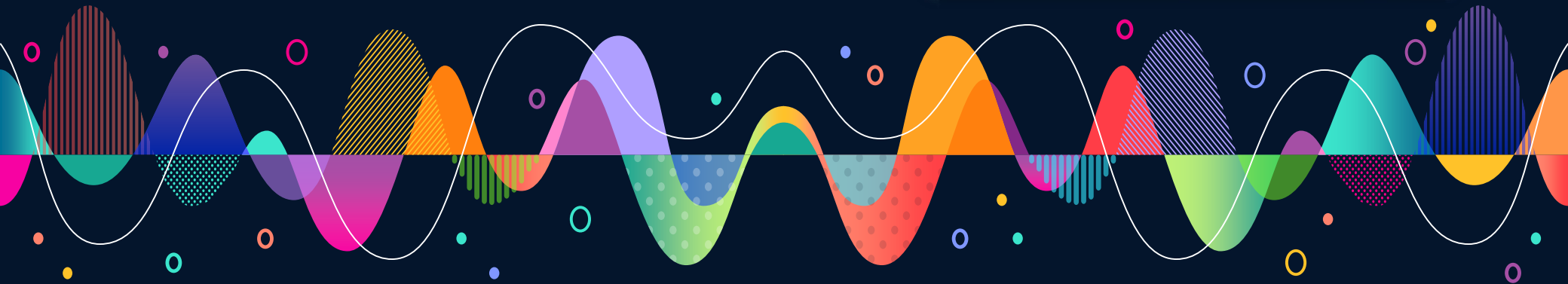
What do you think might happen in each of the pictures below?

What sounds do you think they might make?

Will they all be the same sounds?

What do you think will make any difference to the sounds that are made?

Click on each image to access the link.



# HOW MANY DIFFERENT WAYS CAN YOU MAKE SOUNDS?

## THE MOST UNUSUAL INSTRUMENTS OF THE WORLD!

*Some of these are crazy!*

*Again, watch carefully. Can you spot...:  
Which materials make high pitch sounds?*

*Which make low pitch sounds?*

*Any that sound like animals, or birds?*

*Anything that surprises you?*

*The musical potato and carrots?!?*

*Any you could maybe try at home?*

*Which is your favourite unusual instrument?*

*Click on the image below to access the link.*





# HOW MANY DIFFERENT WAYS CAN YOU MAKE SOUNDS?

BEFORE YOU WATCH THE LINK,  
ASK YOURSELF THESE  
QUESTIONS:

WHAT DO YOU THINK IT MIGHT  
DO?

WHAT SORT OF SOUNDS DO YOU  
THINK IT MIGHT MAKE?

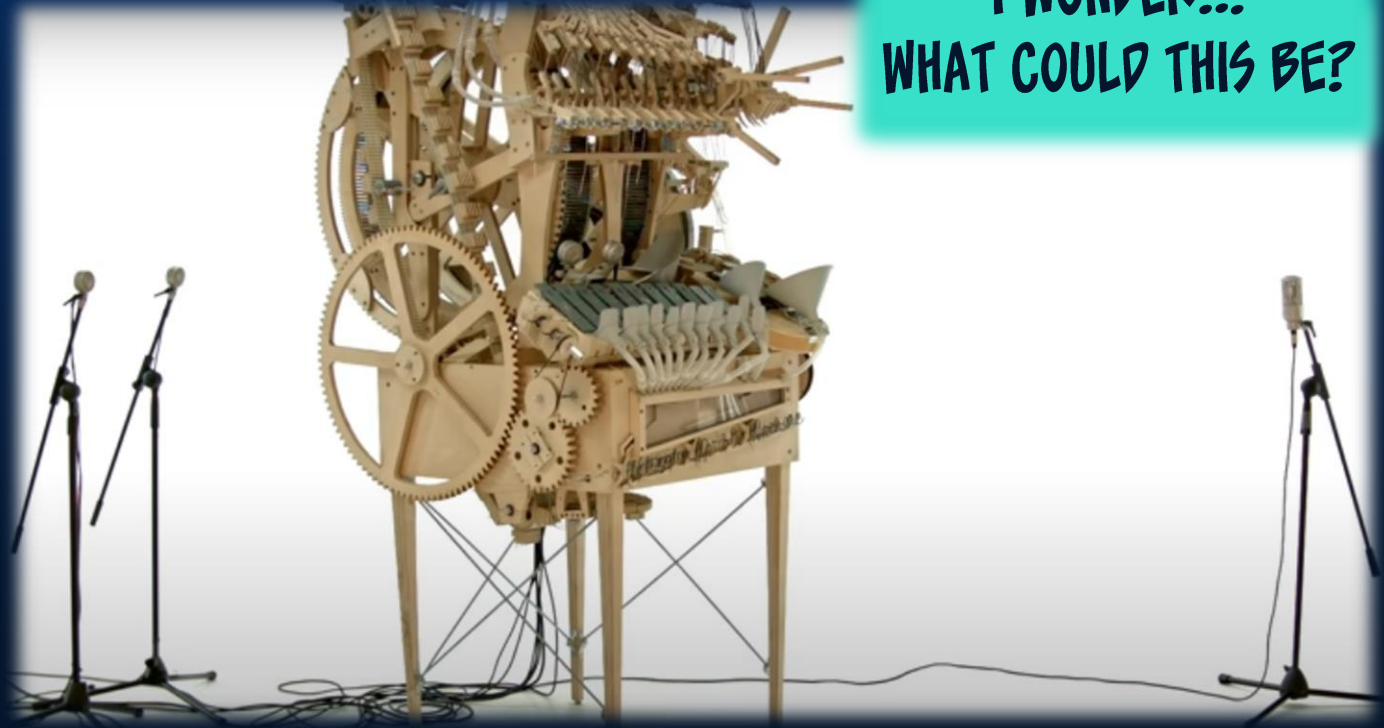
IS IT LIKE ANYTHING ELSE  
YOU'VE SEEN BEFORE? (OR ARE  
PARTS OF IT FAMILIAR?)

WHAT MATERIALS DO YOU THINK  
IT IS MADE FROM?

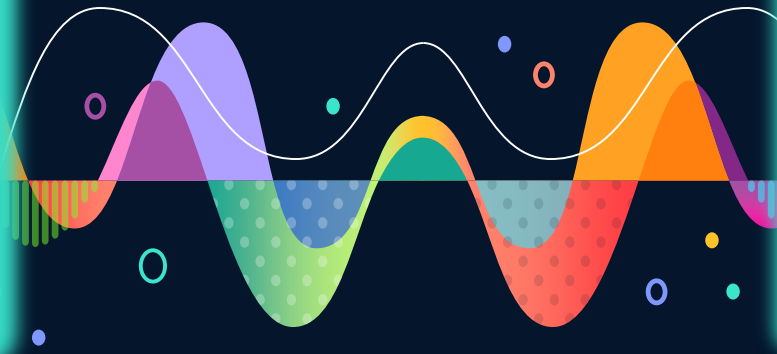
HOW MIGHT IT BE PLAYED AS AN  
INSTRUMENT?

HOW DO YOU THINK IT MIGHT  
MAKE SOUNDS?

I WONDER...  
WHAT COULD THIS BE?



ONCE YOU HAVE HAD A THINK ABOUT  
THE QUESTIONS, WATCH WHAT  
HAPPENS BY CLICKING [HERE](#). LOOK AT  
THE NEXT SLIDE – CAN YOU SPOT ALL  
OF THESE THINGS IN THE VIDEO?





# HOW MANY DIFFERENT WAYS CAN YOU MAKE SOUNDS?

CAN YOU SPOT THESE THINGS:

FUNNELS

SCREWS/NAILS

MAGNETS

XYLOPHONE

COGS

LEVERS

VIOLIN

WHAT MAKES THE NOISE AT 1:30?

