

## THINKY- CONCENTRATION SOUND WAVES



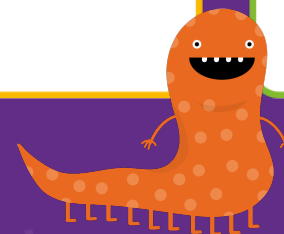
### INSTRUCTIONS:

1. Sit in a quiet space. Ask them to close their eyes and listen carefully to what they can hear around them. Sit silently for 30 seconds and let them listen.
2. Ask the children what they could hear and talk about the different sounds they heard.
3. Introduce the musical instruments. Using one instrument at a time, ask the children to close their eyes, then you will tap/shake/make a noise with the instrument and get the children to focus on just listening to that noise.
4. When they can no longer hear the noise, they open their eyes. Some sounds will last a lot longer than others and some children will be able to hear some sounds for longer than other children.



### INSTRUCTIONS:

5. Discuss with the children how long they could hear the sound for, what it sounded like, did the sound change as the time went on, why do they think that was?
6. Talk to them about how sound moves through the air in vibrations called sound waves, how these waves enter into your ears and hit your ear drum and go through the tiny bones in your ears and they process it sending messages to your brain and your brain processes it for you to hear it as sounds.
7. You can then find different things in your environment which may make different sounds to your instruments and do the same thing.
8. What do the children think makes some sounds last longer than others? Some sounds be louder/higher/lower etc. than others?



### EQUIPMENT:

- ☐ Musical Instruments
- ☐ Other objects that make interesting noises
- ☐ A quiet space

#### **Health and Safety**

*Ensure the area is safe and free from hazards  
Supervision is advised when using equipment  
Remember to stretch before and after any physical activity*