

Great glovaphones!

This activity can be used in Year 4 to introduce sound. Children can observe how the glovaphone vibrates and creates a sound.

Make your own glovaphone



Stretch the middle finger down the tube to form a drum like skin over the end of the tube.



Blow into the straw and watch the glove vibrate over the end of the tube.



Working scientifically:

Identifying differences, similarities or changes related to simple scientific ideas and processes

Subject knowledge:

Identify how sounds are made, associating some of them with something vibrating

Vocabulary

Sound, vibrations, hear

Resources

Cardboard tubes – various sizes
Electricians tape
Scissors
Straws
Latex gloves

Activity

Collect the equipment.

Use the electricians tape to attach a glove to the end of the tube.

Cut a small hole in the end of the little finger and insert the straw.

Fix the straw in place using electricians tape.

Playing the glovaphone

Stretch the middle finger of the glove down the tube and hold it in place using your finger. There should be a smooth drum like skin over the end of the tube.

Blow into the straw. As the glove inflates air flows down the tube and makes the glove vibrate. As the glove vibrates you will hear a loud fog horn type sound.

Allow children to make and play their own glovaphones. Encourage children to explore how the sound is made. Children should be able to observe the glove vibrating. Help children to recognise that it is the vibrating glove that makes the sound.

Children could explore different ways to change the sounds. E.g. tube length and tube diameter.

Key Questions

What can you see happening to the glove when you blow into the straw?

Can you see the glove vibrating?

What happens when the glove vibrates?

Why does the glove vibrate?

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