

WALT - recognise that sounds get fainter as the distance from the source increases

Question:

How does distance affect the voice through a machine?

Independent question asked

Prediction:

I predict that the greater the distance, the quieter the voice would be. The longer the string the quieter the sound. The shorter the string the louder.

Independent prediction made using to knowledge

Equipment needed:

- string
- plastic cups
- scissors to cut string
- metre ruler to measure string
- pencil to pierce holes.

Variables:

I will change the length of the string. I will use 5m, 10m and 15m.

Four testing identified with pears

What will make it a fair test?

- type of string
 - type of pencil
 - metre ruler
 - volume of voice
 - location and conditions
 - pitch of voice
 - voice used
 - cups
- I will keep these things the same

Method:

First, take two cups and pierce the base of each cup with a pencil

well done Georgia 😊

Using a metre ruler, measure the required amount of string and cut this off with scissors.

After that, thread the string through the base of each cup and tie a knot in each end. To secure it in place.

Carefully, take each cup and pull the stringers tight if you have to. Place your ear to listen to the sound it makes when transmitted through the string. Record results and repeat