

Science - Why is the sound that Ed Sheeran makes enjoyed by so many?

Watch this video about the relationship between vibration and volume.

[What is the volume of sound? - BBC Bitesize](#)

Carry out an investigation to see how the size of a vibration affects the volume.

You will need:

- Rice
- Cling film
- Bowl



Cover the bowl tightly with the clingfilm and place a small amount of rice on top. Explore with hitting the drum gently and harder. Watch what happens to the rice and listen to the sound.

What do you notice about the relationship between how hard you hit it and the volume/vibration of the rice?

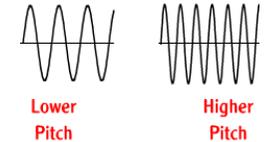
Write an explanation that includes diagrams to show this.

Science - Why is the sound that Ed Sheeran makes enjoyed by so many?

What is pitch?

Watch this video that explains about the pitch of a sound.

[What is pitch? - BBC Bitesize](#)



You are going to explore how you can make different pitches.

You will need cling film and bowls of different sizes.

1. Wrap the cling film over the bowls tightly and bang on them. What do you notice about the relationship between the size of the drum and the pitch?
2. Choose one bowl and change the cling film so that it is looser. Bang on the drum and listen to the sound? Not tighten it and repeat this process. What do you notice about the relationship between the tightness of the cling film and the pitch.

Create a poster that explains the how pitch is created.

History - Has Greece always been in the news?

What is democracy and what part did the Greeks play in it?
A democracy is a country that chooses its own government.

Create a leaflet/power point/poster that explains what democracy is and how it is used in our country today.



These videos and websites will help you find all of the information you need:

[Inside Parliament: Democracy - Fun Kids - the UK's children's radio station \(funkidslive.com\)](#)

[Democracy - how is the UK run? - CBBC Newsround](#)

[British Government Facts for Kids \(kiddle.co\)](#)

Now consider how you think the Greeks are involved ready for your next task.

History - Has Greece always been in the news?

What is democracy and what part did the Greeks play in it?



The Ancient Greeks played an integral part in democracy as we know it today. Have a look at this website and the [Power point presentation](#) to help you find out about it.

[How did the ancient Greeks change the world? - BBC Bitesize](#)

Create a poster/leaflet/power point about the Ancient Greek democracy. Now you have found out about both the Ancient Greek democracy and our democracy in the UK, I would like you to create a table that shows the similarities and differences between the two.

Consider whether these differences are good or bad. Has the system improved since then or is there anything you think could still be improved?