

**Every sound is a wave.. but how can we see or measure them?**

During these activities you will:

- ❖ Change the shape of a wave
- ❖ Learn the correct words to describe a wave
- ❖ Find out how a wave is measured
- ❖ Answer simple quizzes to check your understanding

**1**

### **Find out.**

What do the key words mean? Click on Frequency, Wavelength and Amplitude to find out. Move the sliders and see the wave change.

**2**

### **Check it out.**

Have a go at the quizzes and see if you get the right answers. Go back to the explanations if you're not sure.

**3**

### **Hum it out.**

Have a hum. There are two main changes you can make to your hum - how loud it is and whether it is high or low.

Using the wave on the title page of the Excel file, change the shape of the wave and change your hum to match it. See if your neighbour or partner is doing it right.

**Finally:** Try and get the following wave shapes. Explain to your neighbour why your wave is right.

Frequency	0.6	0.3	2
Amplitude	0.75	0.2	0.5