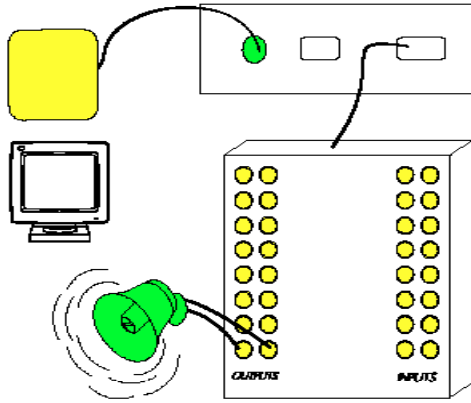


# Using IT in... sound



## Make an alarm which switches off when you shout.

Using a buzzer, a **sound sensor**, a **control box** and sensor box, you can make a sound controlled alarm.

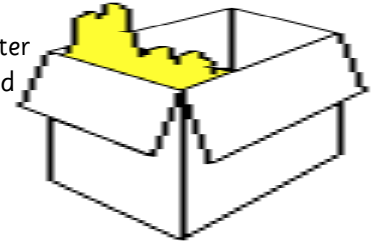
IT: Control

## Which material makes the best string telephone?

You can investigate sound travelling through string telephones - measuring the sound level in the 'ear cup' with a **sound sensor**. The computer will record the sound level on a graph.

They can measure the sound level when they pinch the string, stretch

it round a corner. They can also swap the string for wool or wire. You might ask: which materials allow sound to pass easily? How does the sound get from one cup to the other?



IT: Measuring

## What can sound travel through?

The children can test different materials to see if sound can travel through them. They can press a **sound sensor** onto an object and make a sound at the other end of it. They might test a metal pipe or table leg, a wooden door, a fish tank, a balloon full of water or a balloon full of air. They will need a synthesizer or something that makes a steady sound.

IT: Measuring