



THE MULBERRY HOUSE  
SCHOOL

# HOW DO LUNGS WORK?

## MAKE A LUNG MODEL

The lungs are an essential organ to all mammals and part of our own breathing system. It has two functions. Ventilation (the movement of air into and out of the lungs) and gas exchange (this is where gases are exchanged between tiny sacs called alveoli and the blood).



### To make your model lung, you'll need;

- A plastic bottle
- A straw
- An elastic band
- Scissors
- 2 Balloons
- Play Dough

### Instructions;

1. Carefully cut your bottle to about half of the size.
2. Tie a knot in one end of one balloon and cut off the flat end.
3. Stretch the balloon around the bottom of your plastic bottle.
4. Put a straw in the neck of the other balloon and secure tightly with the elastic band but not so much that you crush the straw. The air must flow through, so test it with a little blow through the straw to see if the balloon inflates.
5. Put the straw and the balloon into the neck of the bottle and secure with the play dough to make a seal around the bottle. make sure again that you don't crush the straw.