

Scientists... let's investigate!

START



Predict

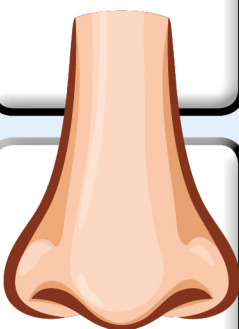
Who will smell the candle scent first? How long will it take for the scent to reach everyone? Will the scent travel differently in the two tests and why?



Method

Place the candle in the middle of the school hall.

Compare the results from test one and two. Can you see any patterns?



Equipment

- ☐ Scented candle
- ☐ Measuring tape or metre stick
- ☐ Timer
- ☐ Diagram of everyone's position
- ☐ Recording sheet and pencil
- ☐ Books and magazines



Accurately measure out circles around the candle, the first one metre away, and the second two metres and so on up to five metres. Sit an equal number of you evenly spaced in each circle.

Recorders – draw or annotate a diagram that shows each person's position.



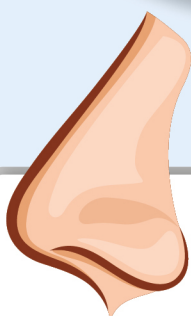
The following day, repeat the test in exactly the same way apart from this time, your teacher will walk in and out of the circles.



Use the diagram and records to put people in order, from first to smell the scent to last.

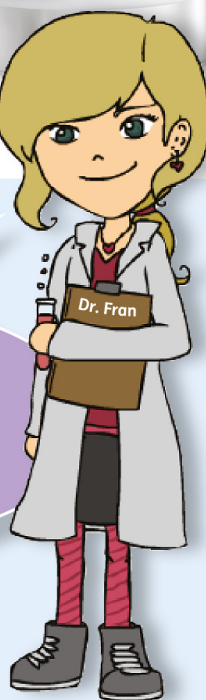
Is your test fair?

Sit still and no cheating! Only say you can smell the scent when you really can.



Stay sitting for 15 minutes or until everyone detects the scent of the candle.

Recorders – record the time each person smelled the scent, their name and position in the room.



Ask your teacher to light the candle. **Recorders** – start the timer.



Sit really still and read your book or magazine. When you can smell the scent from the candle, let the recorders know.