

For Advanced Kids Learners

Book 1

Time to Talk

Lesson 5_ Does the Nose Really Grow When You Tell a Lie?



- **Warm-up questions**

Do you tell lies?

Why do people tell lies?



- Read and learn

Does the Nose Really Grow When You Tell a Lie?

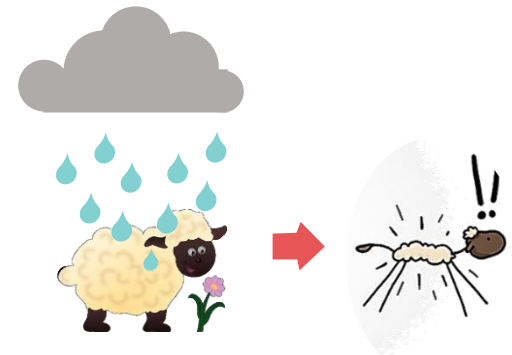
Pinocchio may just be a children's **fairy tale**, but Spanish scientists **investigated** the "Pinocchio effect" and found that our noses don't grow when we tell a lie but **shrink** a bit.



fairy tale



investigate



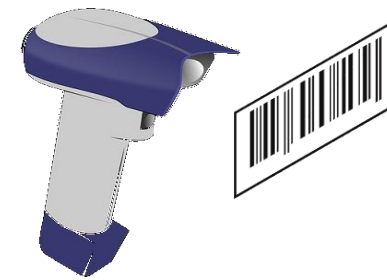
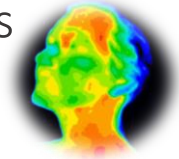
shrink

- **Read and learn**

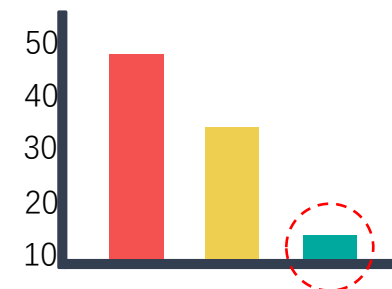
Using a **thermal lie detector** to **scan** the face, they asked 60 people to tell lies to their family or friends on the phone. 48 people have the same result. They noticed a **slight** drop of temperature at nose level, while the forehead increased up to 1.5 degrees Celsius. Scientists also found that the drop in nose temperature caused it to slightly shrink, although the difference can't be seen by the human eye. Interestingly, the test has a better rate of success than any modern lie detector.

Thermal lie detector

A device which uses thermal (= **heat**) imaging to tell if a person is telling a lie.



scan



slight

- Write the correct answer in the blank.

scanned

fairy tale

Thermal lie detector

investigate

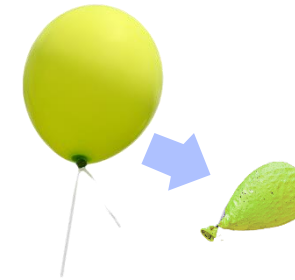
1. He was among the first to _____ the effect of medicines on healthy people.
2. I _____ a few pages of the book and thought it looked interesting.
3. Everything he told us about his happy adventure was just a _____ .
4. The _____ has a better rate of success than other lie detectors.

- **Grammar**

shrink vs slight

(verb) **shrink** – the action of getting smaller in size or shape.

(adj.) **slight** – small in amount or degree.



- **Write shrink or slight in the blank.**

1. She had a _____ headache.

2. Your dress will _____ if you wash it at very high temperature.

- **Answer the questions**



What is the result of the study?

- a. The nose grows long when we tell a lie.
- b. The nose shrinks when we tell a lie.
- c. The body temperature remains the same when we tell a lie.



Would you be willing to use a thermal lie detector on someone to know if they are lying?