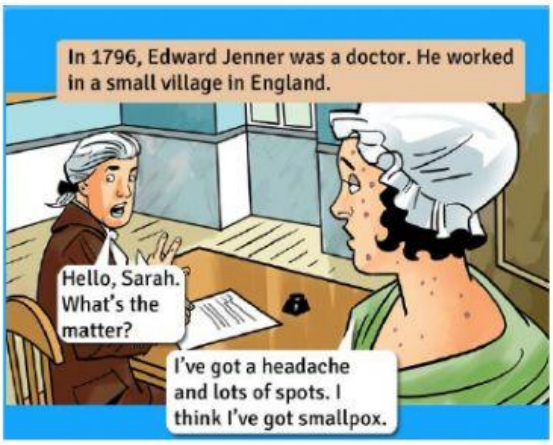
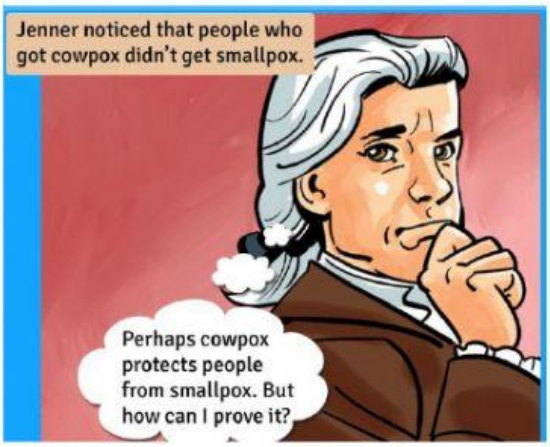
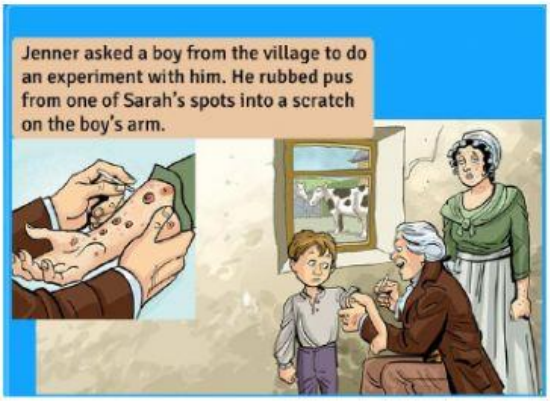
The discovery of vaccination

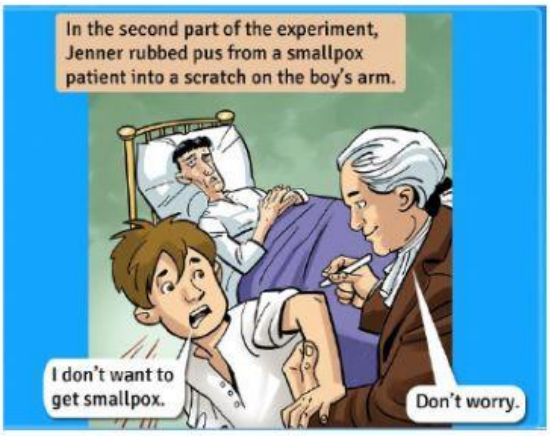


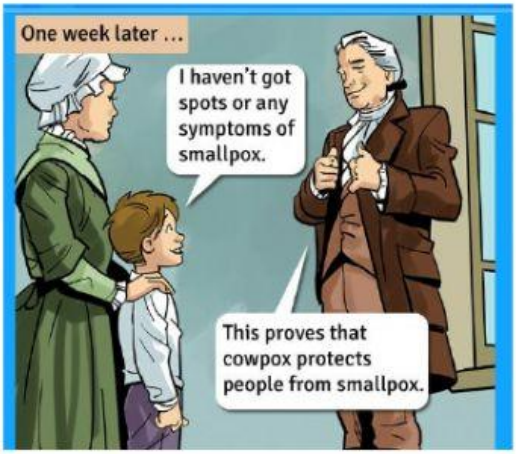
Don't worry, Sarah. You haven't got smallpox. You've got cowpox. It isn't a serious disease.


Jenner noticed that people who got cowpox didn't get smallpox.
Perhaps cowpox protects people from smallpox. But how can I prove it?


Jenner asked a boy from the village to do an experiment with him. He rubbed pus from one of Sarah's spots into a scratch on the boy's arm.

Four days later ...
I've got a headache, doctor. I've got a fever and lots of spots.
When did it start?
Yesterday.
Don't worry. You've got cowpox. It isn't serious.
Ten days later ...
I'm feeling better.


In the second part of the experiment, Jenner rubbed pus from a smallpox patient into a scratch on the boy's arm.
I don't want to get smallpox.
Don't worry.


One week later ...
I haven't got spots or any symptoms of smallpox.
This proves that cowpox protects people from smallpox.