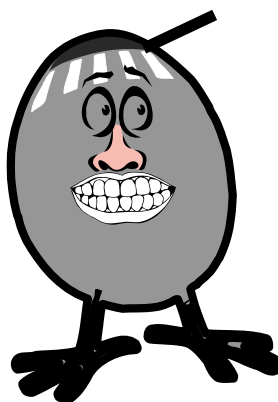


Student Book

Coco, the hero



Team members

Activity C

Do two objects of same weight fall in the same time?

Hypothesis: _____

In order to verify your hypothesis, realize the following experiment:

- ❖ Take two loose leaf sheets and make a paper ball with one of them
- ❖ Take the ball in one hand and the intact sheet in your other hand.
- ❖ Let them go simultaneously.

What do you observe?

How can you explain this phenomenon?

Activity D

What would happen if there was no air to retain the sheet?

In order to help you understand this concept, watch a NASA movie at the following address:
http://history.nasa.gov/alsj/a15/a15v_1672206.mpg

Once you have watched the movie, what do you take away from what you have seen?

Problème

- ▶ How can you have « Coco » land safely on the ground?
- ▶ Imagine a device in order to make sure that coco lands safely.
- ▶ Draw your device.



What material will you be using?

Note: *Think about using an egg made with modeling clay for your trials.*

Make a first trial.

Was your trial successful? Explain Why?

Indicate the required modifications that will allow a more efficient functioning.

Try it once more and describe the result.

If you believe that your device is ready for the ultimate test, try it with a real egg.
If not, make as many trials as you may need to improve your performances.
Comment the result with the real egg.

Draw or include a picture of your final product.



Lexicon

Write the words and their meaning that you have learned during this experiment.

