



# Practical Activity: Straw glider



Name: \_\_\_\_\_

Name: \_\_\_\_\_

**Mark :**

## Your challenge

You have to design a glider that will fly farther than the gliders of the other teams

## Identify the problem and brainstorm

If you throw a plain straw, it doesn't go very far. How can you make it glide further by adding paper shapes on it?

Discuss with your partners and make sketches.

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## Building instructions

Follow the instructions on the board to make your glider.

## Test it:

What measurement tool do you need to compare the gliders? Make a sketch bellow:

Indicate your ranking:



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## Experiment

You'll have to change things on your glider, make experiments and indicate your conclusions on your document.

What happens if you make it fly upside down?  
Prediction about what will happen?

What happens if you change the size of the hoops?  
Prediction about what will happen?

What happens if you add a third hoop?  
Prediction about what will happen?

What happens if you change the shapes of the loop?  
Prediction about what will happen?

What happens if the two hoops are the same size?  
Prediction about what will happen?

What happens if you make the straw smaller?  
Prediction about what will happen?

What do you suggest to make it glide further?