

WATER ROCKET

ASSEMBLY INSTRUCTIONS



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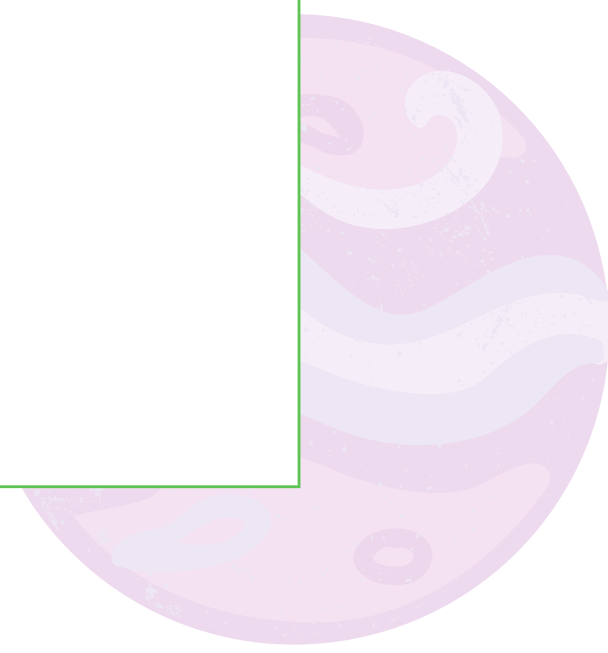
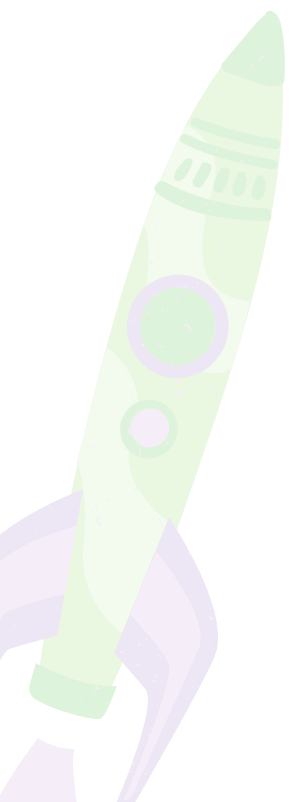


MATERIAL NEEDED



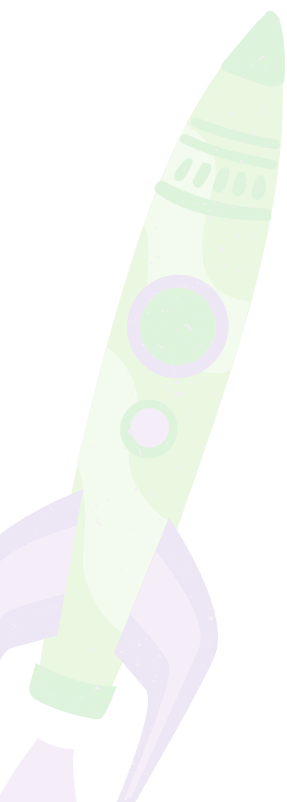
- **2 L PET PLASTIC BOTTLES, THAT USUALLY CONTAIN FIZZY DRINKS**
- **TEMPLATE FOR SIDE FINS**
- **LIGHTWEIGHT CARDBOARD OR MILK PACKAGE OR O SIMILAR**
- **ADHESIVE TAPE**
- **BIKE TIRE FOR RECYCLING**
- **BAG OR PING PONG BALL**

The material used in this project must be recycled!!

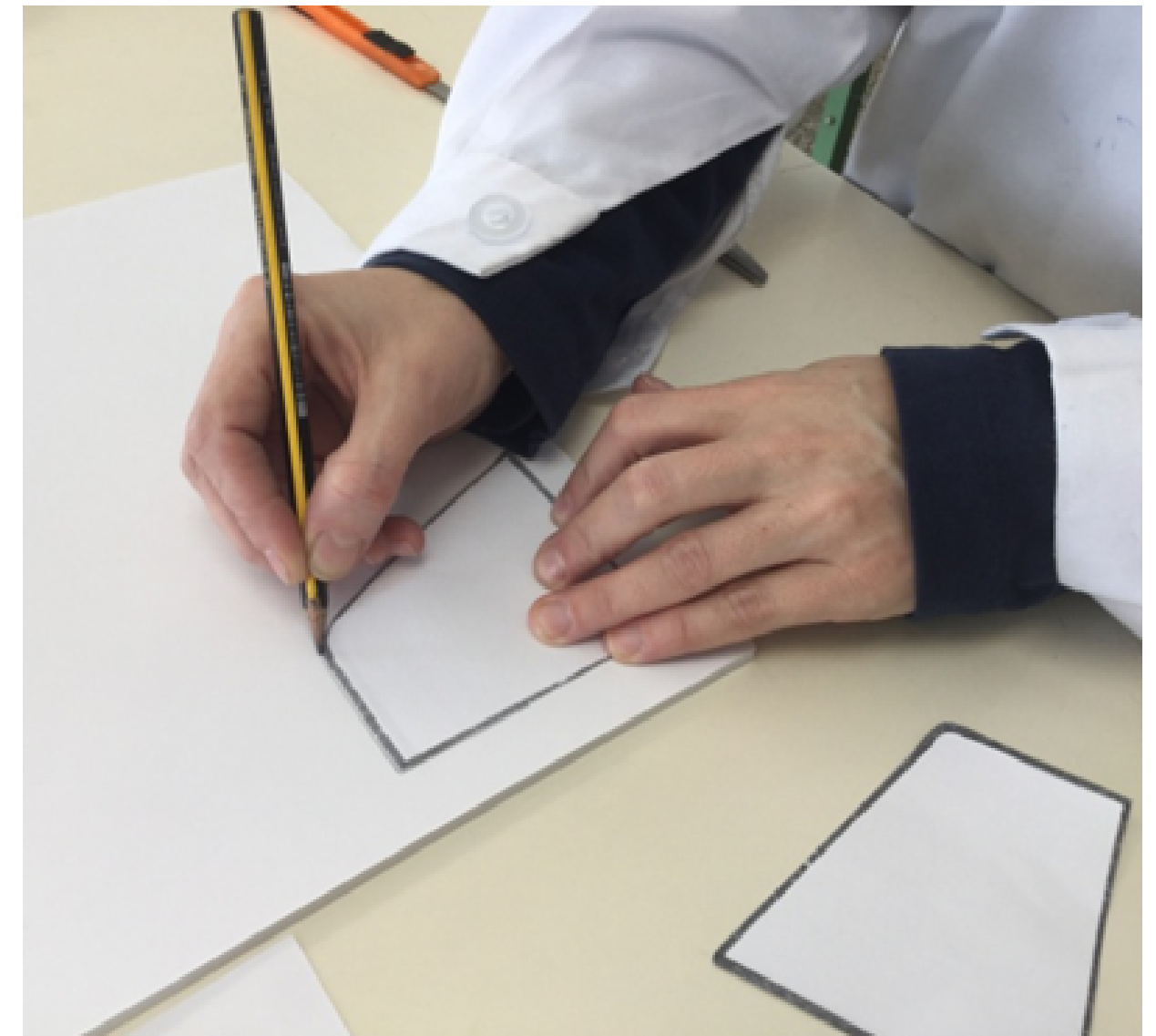
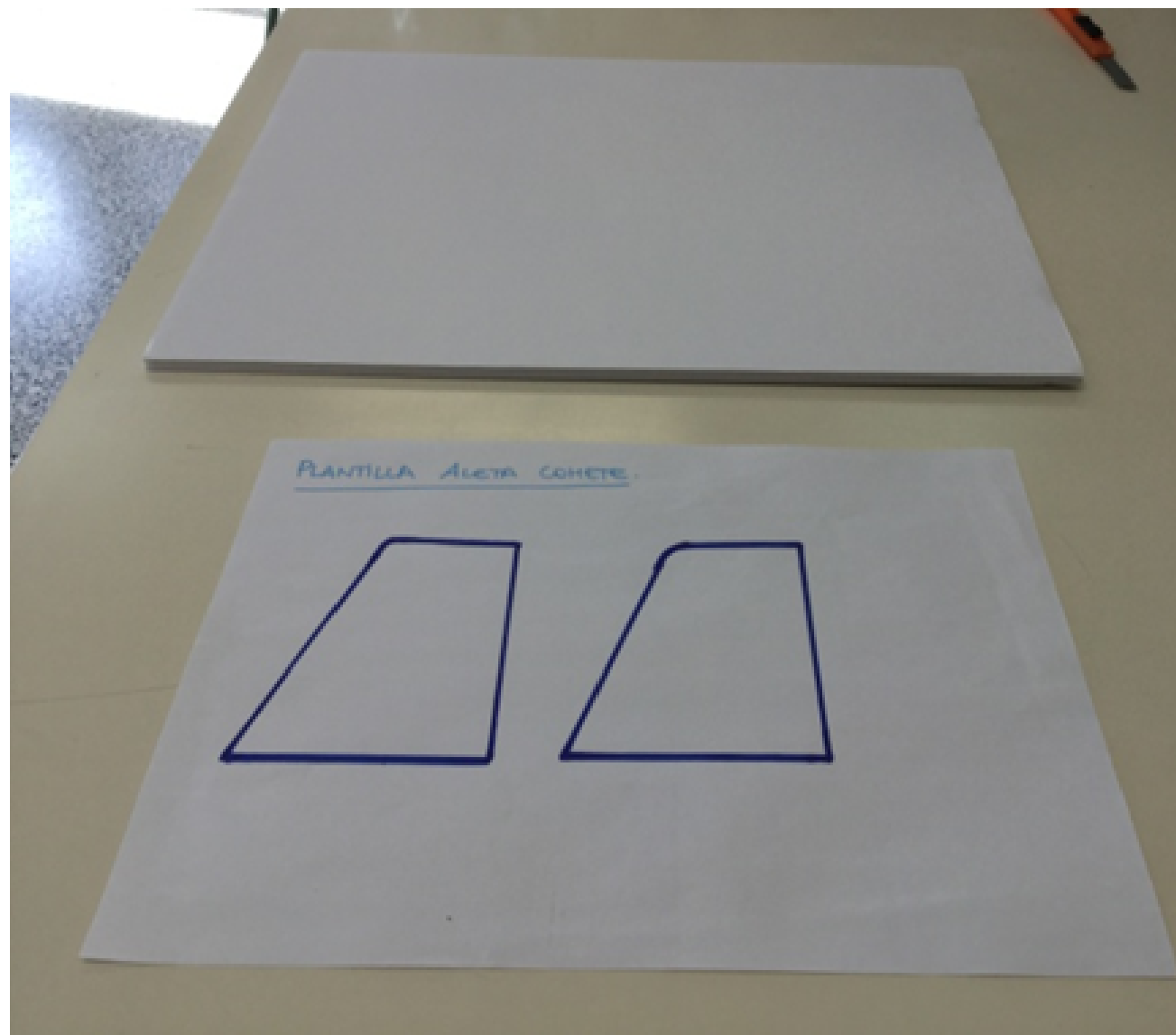


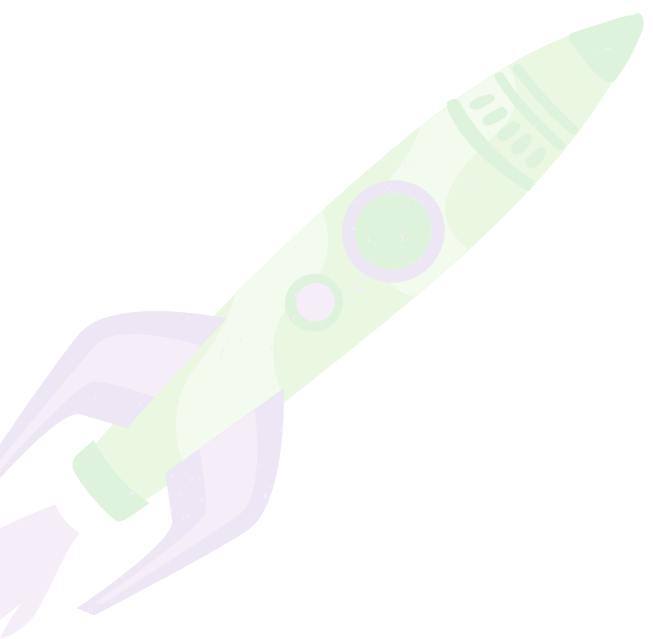
ASSEMBLY INSTRUCTIONS FOR THE WATER ROCKET

1. Remove the labels from the bottles and the rings from the mouthpiece.
One of the bottles will be used as the body of the rocket and the other, for the top of the rocket.



2. Cut the fins according to the pattern. It is necessary to cut the fins of lightweight cardboard or milk package or similar.



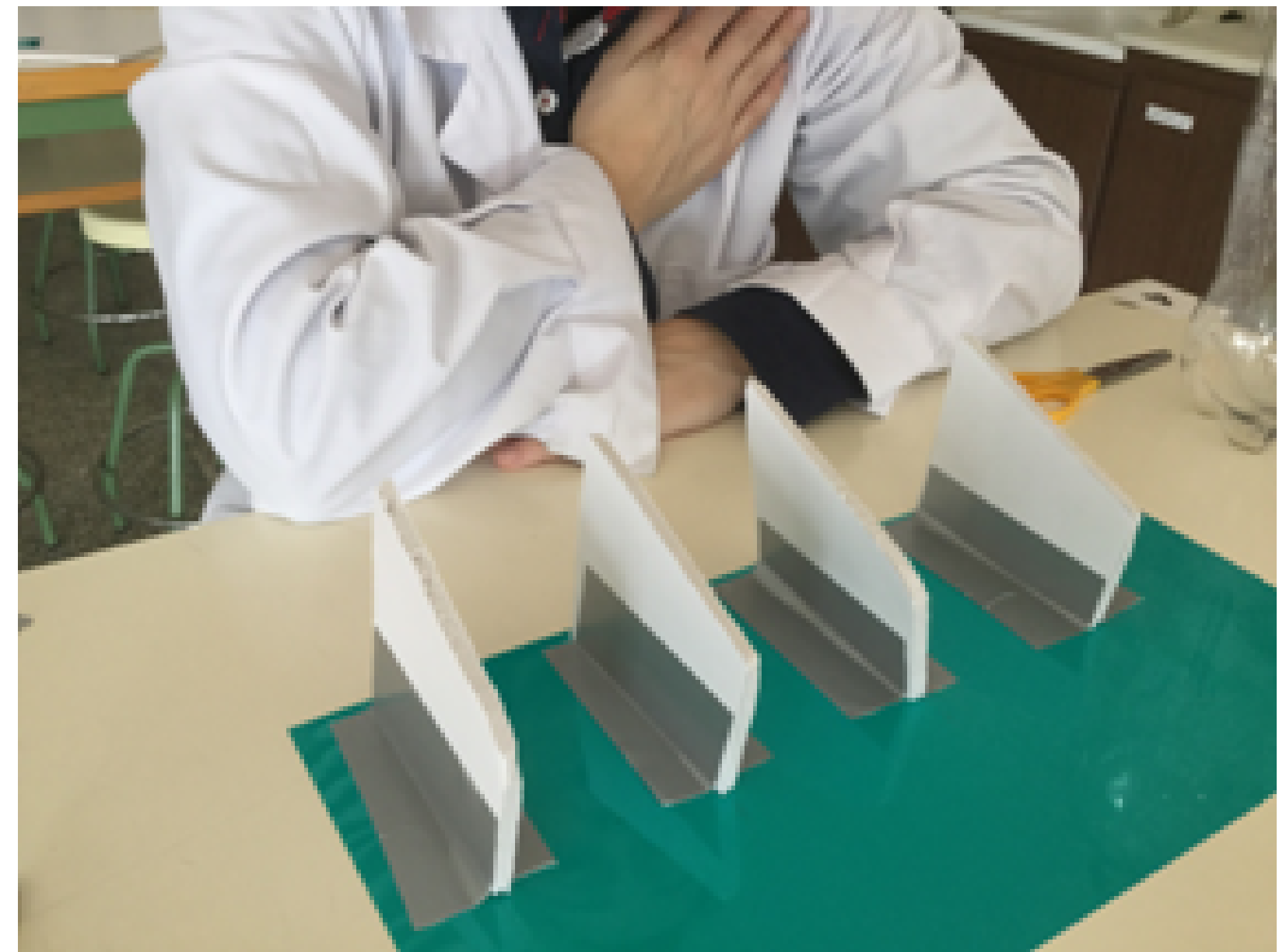


3. Cut the second bottle as in the picture





4. Split the cylindrical part into 4 identical parts, and fix the fins with adhesive tape. It is important that they are well fixed.





5. Attach the lower part with the fins to the bottle that will be used as the body of the rocket. Then, attach it to the top with tape.



6. The mouthpiece should stand out of the part with the fins.



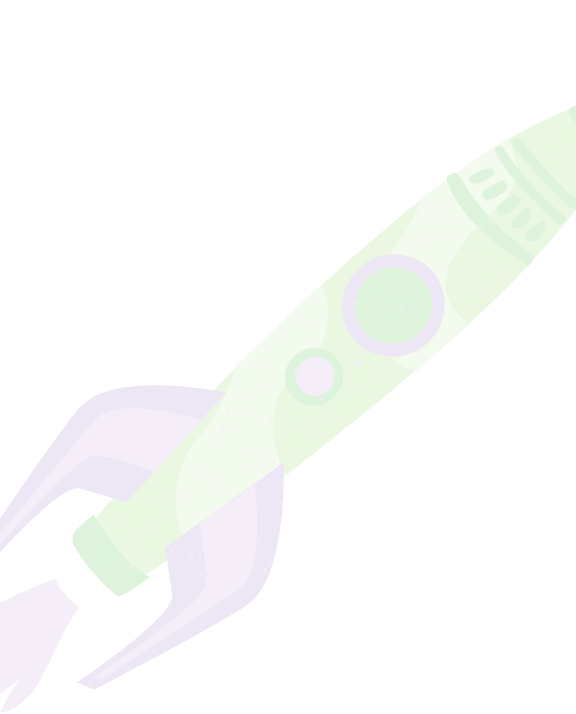


7. Cut the other bottle at the bottom and the top as shown in the picture. We will name it the head of the rocket.



The rocket head would look like this.





8. Attach the bottle which is already assembled (lower part and fins) with the part which we have just cut (the head of the rocket)



This junction must be strengthened with adhesive tape.

9. Insert the bike tire into the rocket head, as shown in the photo.



10. Put the rocket on your finger to determine the center of gravity. The center of gravity should be closer to the part where we put the tire than the center of the bottle.



Center of gravity

Center of the
bottle

11. Wrap the head of the rocket with duct tape so that the bag does not fall off.



11. Wrap the head of the rocket with tape so that the bag does not fall off.



FINISHED ROCKET!





**THANK YOU VERY MUCH
FOR YOUR ATTENTION**

