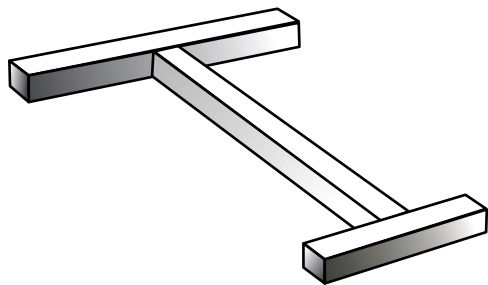
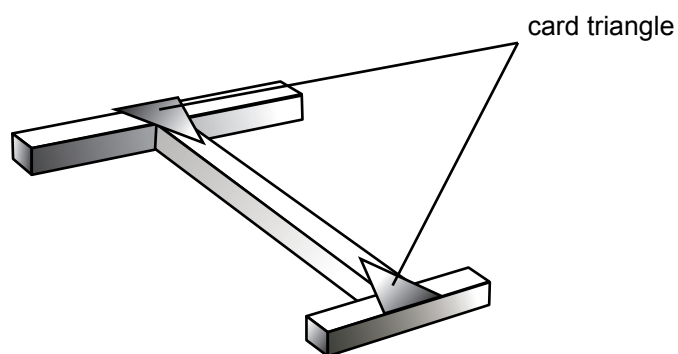


BALLOON BUGGIES

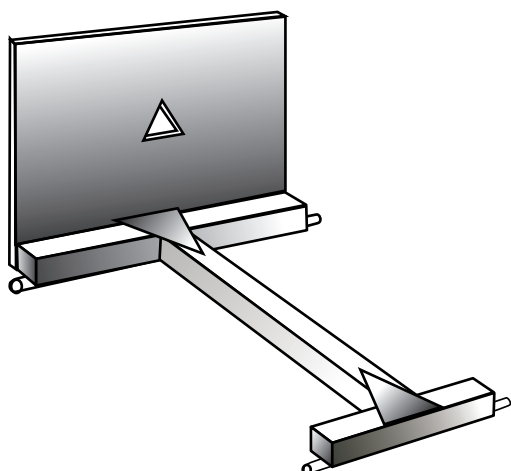
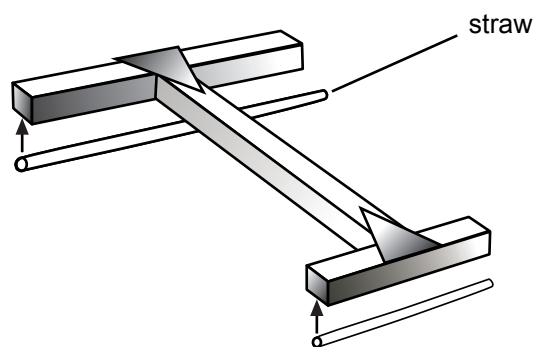


1. Cut three pieces of square section wood. Glue them together as shown in the diagram.

2. Use card triangles to strengthen the joints between the wood. Glue to the upper side of the frame.



3. Glue two plastic straws onto the lower side of the frame. These will act as axle guides.



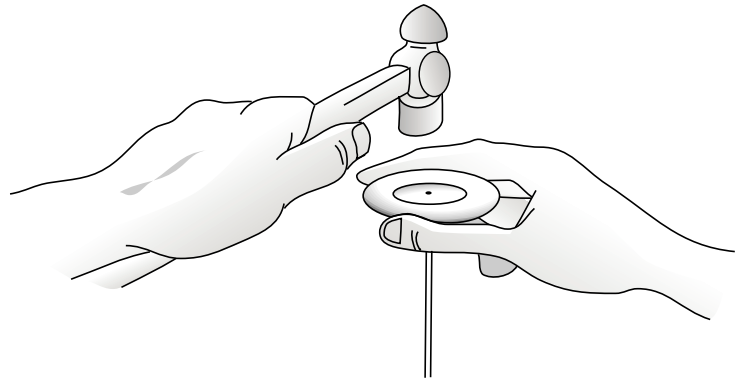
4. Cut a small triangular hole, to take the end of an inflated balloon, in a square of correx. Glue the correx to the frame.

5. Tap a wheel onto a piece of wooden dowel.

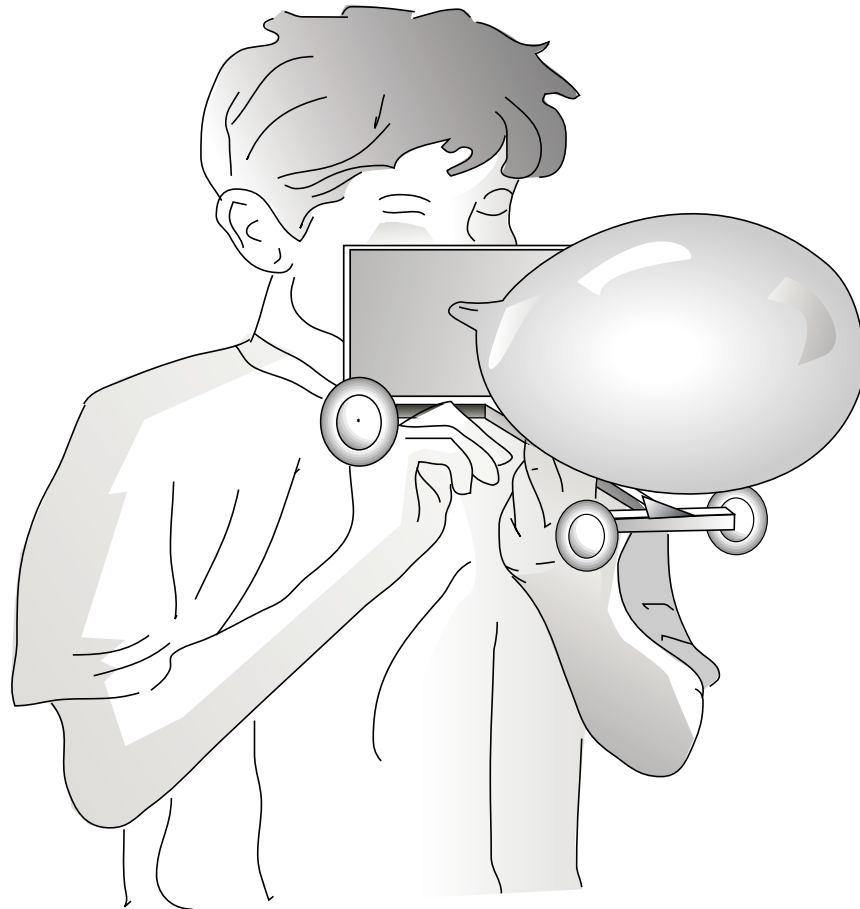
Push the wooden dowel axle through the straw axle guide.

Tap a wheel onto the other end of the wooden dowel.

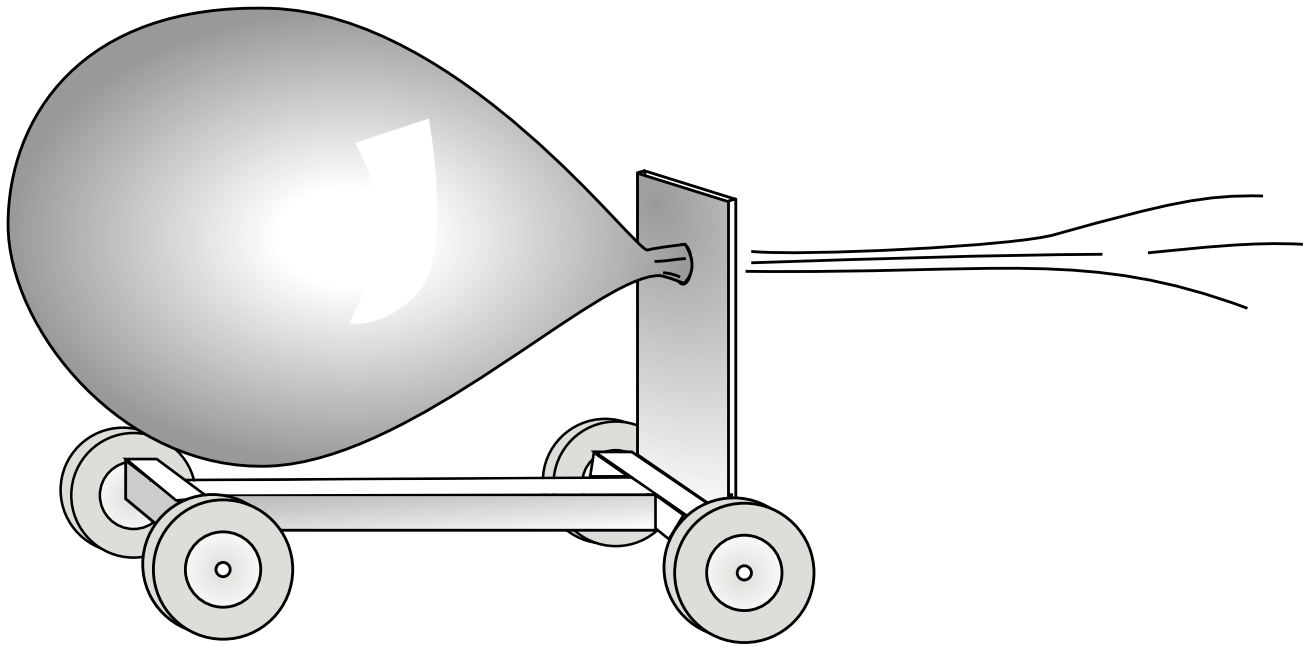
Do the same with the other axle.



6. Blow up a balloon and push the end of the balloon through the hole in the card.



YOUR BALLOON BUGGY IS NOW READY TO USE!



When you release the balloon, a jet of air comes out.

Which way do you think the buggy will move?

IDEAS TO INVESTIGATE

- Does the size of wheel affect the distance travelled or the speed of the buggy?
- Does the type of surface make a difference?
- Which is the best combination of wheels and body size to make the buggy travel the fastest and the greatest distance?