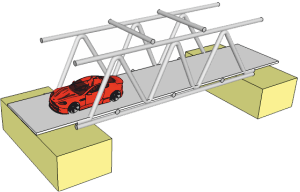
The Straw Bridge

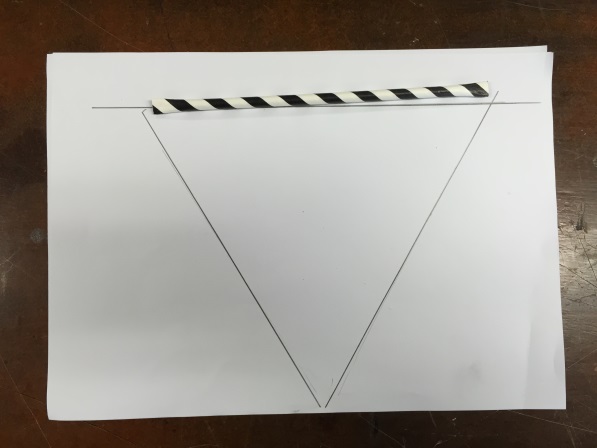
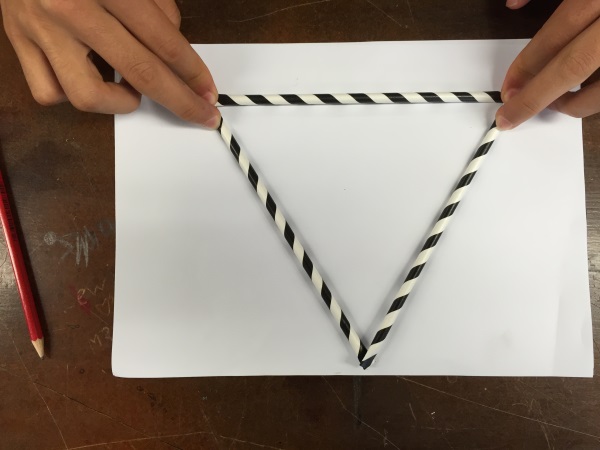
Instructions

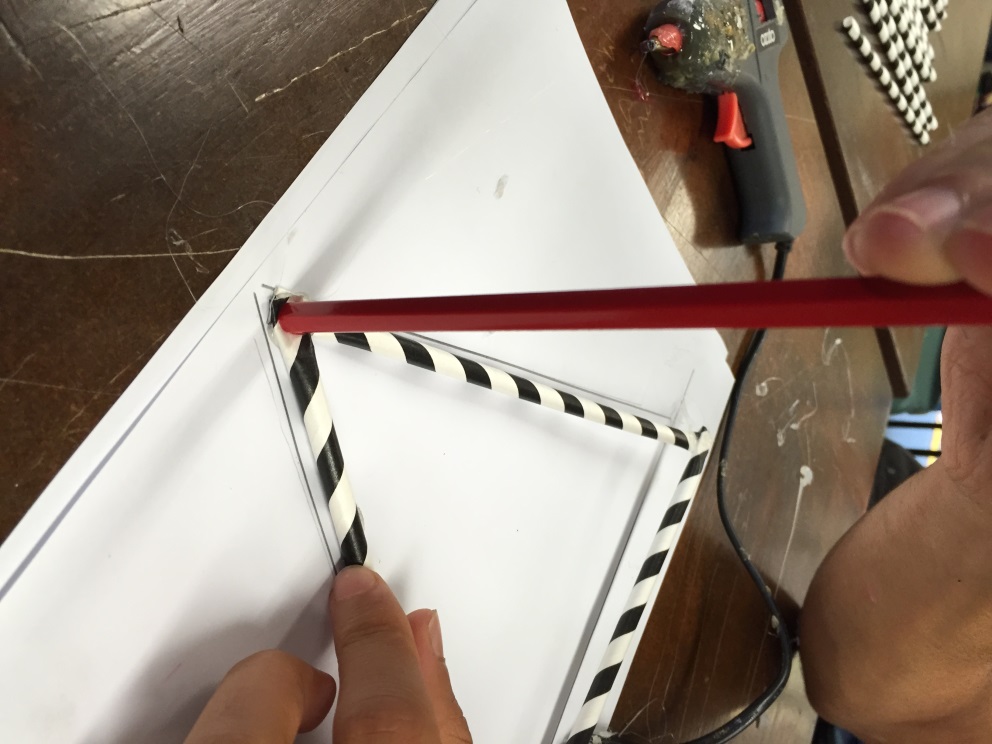


* Complete the design and construction of a truss bridge made from paper drinking straws.
* You are limited to 40 paper straws maximum. Each straw is 200mm long.
* The joins are made by hot gluing the straws together.
* The bridge will need to support a thin flexible PVC strip used as a roadway.   
  The roadway is 70mm wide.   
  A loaded trolley is 70mm wide, 100mm tall and 100mm long.

The trolley is pulled over the bridge during the strength and stability testing.

* Design a truss that can span a **gap** of 500mm
* Draw a side view of the truss design full scale.
* Use the drawing to accurately layout the truss.



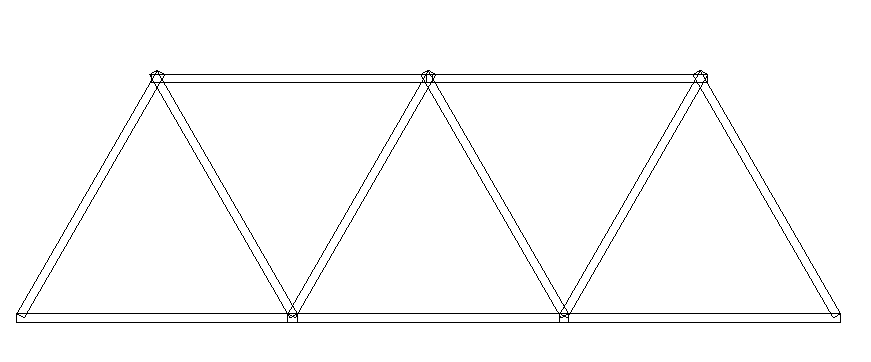
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Glue each joint together. Use a pencil to press the join together as the hot glue cools.





Example 1



Example 2 and 3

