

Bridge-o-mania

Date-27/02/2020

Problem Statement

A deep valley is creating problem for the local village people in there day to day life, they have to go 10km daily to avoid the valley . Construct a bridge for the people of the village so that they can save their time, Width of the valley is 600m , People require a bridge having at least 7m width, So that there is enough space for vehicles to move. Design an apt truss bridge and construct it with popsicle sticks and white glue .

Model data:-

Width = 10cm.

Length= 60cm to 70cm.

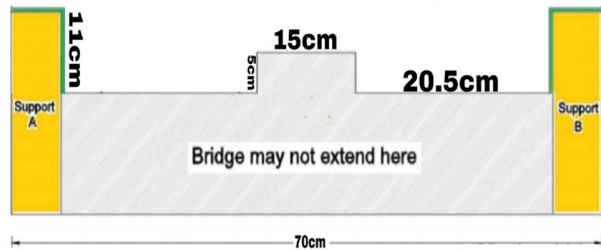
Height = 10cm to 15cm.



Event Structure

Rules for construction

1. Construction of a bridge with the help of popsicle **sticks** and **white glue** only.
2. Span of the bridge should be between 60cm to 70cm.
3. Height of the bridge should be between 10cm to 15cm.
4. Depth should not exceed 11cm.
5. Over lapping of more than 2 sticks is prohibited.



Judging Criteria

1. Aesthetics of the bridge will be seen .
2. Total load of taken before failure upon total weight of the bridge.
3. Violation of any other rule will result in deduction of marks.