

BREAK DOWN

Introduction

In break down participants need to build TRUSS bridge from ice-cream sticks and fevicol of a given dimension in a specific time of duration.

Then the weight will be put on the bridge.

The bridge which can bear maximum weight will win.

Team Specification

Maximum number of members =2

Rules:

1. Top surface of bridge is to be made flat.
2. Sticks can be altered physically by cutting or notching at any angle.
3. 1cm hole is needed to be provided at the center of top and bottom of truss bridge of testing purpose.
4. Participants can bring black paper clip for holding their sticks firmly while building the bridge.
5. Maximum number of sticks that can stack together is three.
6. Bridge is to be made on spot
7. Shape of the truss bridge should be rectangular or trapezoidal shape
For e.g.: Warren Truss
8. Parabola, triangle, semi circle shape is not allowed
9. Ice cream sticks will be provided by the organizers
10. Fevicol will be provided by the organizers.

Overall Dimensions:

1. The Truss Bridge dimensions should be within the specified limits of:
 - Length = 47-50 cm
 - Width = 10-12 cm
2. 5cm length is needed to be provided on each ends for supports

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