



Social Bridge Building Networking Event

Wednesday 21 April 2021

6:00 - 8:00pm

**Engineers Australia Auditorium
Suite 3, Tonella Commercial Centre,
125 Bull Street, Newcastle West
(entry via Dick Street)**

Member price: FREE

Non-member price: \$15

This event will work through an Engineering Design Process whilst encouraging social networking between local engineers. A great way to improve your professional network whilst growing your problem solving and communication skills.

Project Brief: You are part of a team of engineers who have been given the challenge to design a bridge out of popsicle sticks (up to 200) and glue. Bridges must be able to hold a specific weight (the weight goal will be confirmed at time of construction).

The bridge must span at least 30cm in length and it must be longer than 30cm when it has been constructed as it will be placed between two tables for a weight bearing test. In addition to meeting the structural and weight bearing requirements, the bridge will also be judged on its aesthetics, so be creative!

You are encouraged to use the fewest number of popsicle sticks possible to achieve your goal.

All materials will be provided on the night.

yea.engineersaustralia.org.au



Testing Requirements: Bridge must span a minimum of 30cm between two tables.

Each team will be required to load their own bridge up to the point of collapse.

Metal test weights will be provided and will consist of 75mm squares of differing thickness, as follows;

- 5 plates of 50g
- 0 plates of 100g (if the bridge exceeds 0.75kg then it's doing pretty well)

Each plate must be held in place for 10 seconds before the load can be increased.

Winner: The winner is the team's bridge that holds the most weight for the longest time.

If more than 1 bridge holds the maximum weight for longer than 1 minute, we will go to a majority vote.

Additional recognition will be given for the most innovative and outside the box design.

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