

3. Super Tall Straw Tower

(Each Team contain 6 members, 10 teams per section)

Date & Time: 24.08.23 &
10.00 am-4.00pm

Section: A9-A12

Venue:

A9 – Chemistry Lab 1

A10 – Chemistry Lab 2

A11 – Physics Lab 1

A12 – Physics Lab 2

Materials Needed:

- ✓ 1 roll of masking tape (will be provided by the Department)
- ✓ 30 Non-bendy straws (will be provided by the Department)

Rules & Evaluation Guidelines:

1. Tower must be freestanding.
2. Tower must be above 60 cm height.
3. Duration 2 hours.
4. Stability will be checked by adding weight at the top of the tower.
5. **Highest tower** with **more stability** will be considered as winner



Procedure:

- ✓ Step 1: Get your uprights ready by placing half a piece of tape on a straw, leaving the other half hanging off.
- ✓ Step 2: Start building using the uprights technique to secure straws to your cardboard base. Start with as many as you like—probably at least four, or more for extra stability.
(Refer video link)
- ✓ Step 3: Add crossbeams between your uprights. These horizontal supports will help stabilize the upright straws, building a strong foundation for a super-tall tower!
- ✓ Step 4: Build your tower taller than — as high as minimum two straw lengths. Add triangular supports, or trusses, throughout your tower to keep it upright and strong.

Video Link: <https://youtu.be/TSty455vF50>