

#SkillsAtHome Challenge Series

Challenge #6 – Paper Towers

This challenge brought to you by:



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Challenge—Using up to 1 metre of clear scotch or masking tape and 16 sheets of 8.5 x 11 inch paper, your challenge is to create a design and build the tallest paper tower! Challengers may roll, fold, crinkle, or rip the paper to build their structure. Once you are done, upload a picture of your paper tower design and built structure, with recorded height, to Twitter. Follow & Tag @SkillsOntario in your submission post and use the hashtags #SkillsAtHome and #SkillsTowerChallenge.

Challenge Materials

- 16 sheets of A4 (8.5 inch x 11 inch) paper
- Up to 1 metre of Scotch or masking tape
- Scissors (Can only use scissors on tape not paper)

Challenge Rules

1. The tower **MUST** be free-standing. This means it cannot be attached to or leaning on anything (it cannot be taped to the ground or the ceiling, it cannot be leaning on a table, etc.)
2. Only use the materials required above
3. Scissors are only to be used on the tape, not on the paper
4. Once complete, measure how tall your tower is in centimetres using a measuring tape.
5. Once you are done, upload a photo to Twitter. Follow & Tag @SkillsOntario and use the hashtags #SkillsAtHome and #SkillsTowerChallenge. Remember to include how tall your tower measured (With a picture too!)
6. You must create a to-scale blueprint plan for your design and include it in your submission

Skills: Design and Planning, Communication, Creativity, Attention to Detail

Skilled Trades/Technologies: Ironworker - Structural and Ornamental, Ironworker-Generalist, Architectural Glass and Metal Technician, Metal Fabricator

[Click here for a full list of all recognized Ontario skilled trades](#)

Note: Health and Safety is always important. Please be sure to check with a parent or guardian when participating in challenges. If you are under the age of 18, ask for parental guidance.

Safety: Use caution when using scissors.

Judging/Scoring

Submissions will be marked in the following:

Structure Height	Points
0 cm – 40 cm	5 points
41 cm – 80 cm	10 points
81 cm – 120 cm	15 points
121 cm +	20 points
Total Marks (Total out of 20)	

Design Plans	Points
No Plan was provided	0-5 points
Challenger had plans with measurements.	6-10 points
Plans were to scale with measurements outlined. Detailed. Straight edge was used.	11-15 points
Plans were to scale with measurements outlined. Detailed. Straight edge was used. Legend provided.	16-20 points
Total Marks (Total out of 20)	

Challenger Total Marks: / 40 points