

#SkillsWinterfest2020



Gingerbread Bridge Building Challenge

This challenge brought to you by:



This program is funded by the Government of Ontario.



Challenge

Design and create a bridge using gingerbread and icing. There will be three winning categories in this challenge: **Strongest**, **Most Creative**, and **Best Décor!**

Challenge Materials

- A minimum of four pieces of any shape gingerbread, homemade or store-bought
- Icing for "glue", homemade or store-bought. Royal icing may work best!
- Ruler or measuring tape to measure length and height of bridge
- Items to decorate your bridge (candy, glitter, paint etc.)
- Small household objects for weights (coins, cans, hockey pucks etc.)
- A scale to weigh your household items

Join us for a free virtual gingerbread and royal icing recipe workshop on December 14th! Deadline to register is December 6th at 10:00 pm! Visit skillsontario.com/winterfest2020 to sign up.

Challenge Rules

1. Competitor must use at least four pieces of gingerbread to build their bridge. Gingerbread can be in any shape.
2. Bridge must be at least 20 cm long and the deck of the bridge must be at least 3 cm off the ground.
3. Contestants must submit a picture of their plan, a picture clearly showing the length and height of their bridge, picture of the completed bridge, and one new picture every time additional weight is added to the bridge.
4. The only "glue" that can be used is icing. No tape, adhesive or rope can be used to hold your bridge together.
5. Make sure to indicate the total weight held by your bridge with your entry.
6. Once you are done, upload your project to Twitter, Instagram, Facebook, or TikTok. Follow and tag **@SkillsOntario** and use the hashtags **#SkillsWinterfest2020** and **#WinterfestBridge**. In your post, you may note the category you are entering for: **Strongest**, **Most Creative**, or **Best Décor!**

Gingerbread Bridge Building Challenge

Skills: Design and Planning, Creativity, Attention to Detail, Teamwork, Math

Skilled Trades/Technologies: Baking and Carpentry

[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 baking or using adhesive to decorate bridge.

Judging/Scoring

Submissions will be marked in the following:

Structure Plan & Dimensions	Points
Submitted a clear plan	0-5 points
Submitted a clear plan including measurements	6-10 points
Submitted a clear plan including measurements, and bridge was at least 20 cm in length and 3 cm high	11-15 points
Total Marks (Total out of 15)	

Structure Strength	Points
Held less than 20 grams	0-5 points
Held 21-100 grams	6-10 points
Held 100-200 grams	11-15 points
Held over 200 grams	16-20 points
Total Marks (Total out of 20)	

Visual Appeal/Décor	Points
Satisfactory	0-5 points
Good	6-10 points
Incredible	11-15 points
Total Marks (Total out of 15)	

Challenger Total Marks: / 50 points