



The Central Interior Branch of Engineers & Geoscientists BC
is proud to present the
**21st Annual
Ultimate Bridge Building Contest
& Geo Rocks Event**
Saturday, April 7, 2018
At Pine Centre Mall – Centre Court

In celebration of the upcoming **National Engineering and Geoscience Month (March 2018)** challenge your friends or colleagues to see who can build the stronger bridge! This is a fun event for all ages. In addition to the bridge contest there will be fun engineering and geoscience booths to check out.

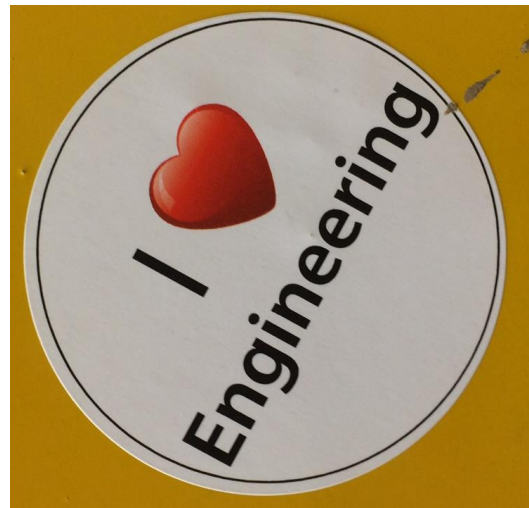
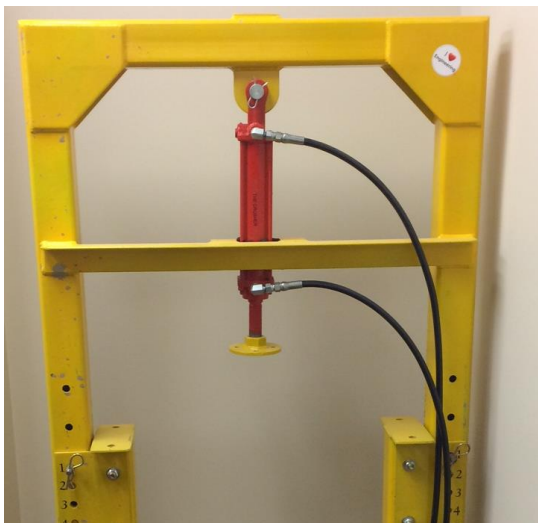
Bring your constructed bridge to the event on **April 7, 2018**. The goal is to **construct the strongest bridge** possible with a maximum 100 Popsicle sticks and all-purpose white glue. The sticks must be left whole; otherwise the design of the bridge is left up to the competitor. See the 2018 rules and guidelines for further information about the contest.

There will be awards for the top three bridges in each category, as well as prizes for the best-looking bridge.

Event Details	Time	Prizes
Registration (all categories)*	11:00 – 11:45 am Or the hour before the start time for the category.	
Opening Ceremonies	11:45 am	
Primary Category** (Grades 1 to 3)	12:00 pm	1 st place \$150
Intermediate Category** (Grades 4 to 7)	1:00 pm	2 nd place \$100
Secondary Category (Grades 8 to 12)	2:00 pm	3 rd place \$50
Professional Category and Open Category	Following the youth categories.	To be determined

*There is a voluntary entry fee of a non-perishable food item. All items collected will be donated to the local food bank.

**Children must be accompanied by an adult at all times.



Bridge building packages are available for pick-up, please contact us at ci@egbc.ca, or come visit us at our table in **Pine Centre Mall on March 17th**. If school classes or other group organizations are wishing to enter multiple teams drop-off of supplies can be arranged.

If interested in participating send your completed registration form to ci@egbc.ca. The contest rules and guidelines are available on our website, www.egbc.ca/ci. **Please register by March 30, 2017.**

For more information contact:
Lee Peltz, 778-693-2207, ci@egbc.ca



21th ANNUAL ULTIMATE BRIDGE BUILDING CONTEST

ENGINEERS &
GEOSCIENTISTS
BRITISH COLUMBIA

Saturday April 7, 2018
Pine Centre Mall at Centre Court

Team Registration Form

1. Register as yourself or a team, and indicate the category that you are registering for (one form per person/team please).

Category 1: Grades 1 through 3
Category 3: Grades 8 through 12
Category 5: Adult Professional

Category 2: Grades 4 through 7
Category 4: Adult Open

Category: _____

Bridge Builders:	Age	School and Grade (if applicable)

2. Please provide us with a name and e-mail address of the team leader who will be responsible for coordinating your team, if under 13 your team leader must be an adult responsible for your team.

Name: _____ Email: _____

(This will allow us to contact you with further information regarding the contest, if required.)

3. Save the completed form and return by email to ci@egbc.ca by April 4th, 2018.
4. Refer to the Contest Rules and Guidelines on the construction and testing of your bridge. The rules and guidelines are available on our website www.egbc.ca/ci
5. Email any questions to ci@egbc.ca
6. Build your bridge.
7. There is no enrolment fee to enter the contest; however, we do encourage participants to bring a donation of a non-perishable food item for the local food bank.
8. Have Fun!



ENGINEERS &
GEOLOGICISTS
BRITISH COLUMBIA

CENTRAL INTERIOR BRANCH ULTIMATE BRIDGE POPSICLE STICK BRIDGE CONTEST

RULES

REGISTRATION

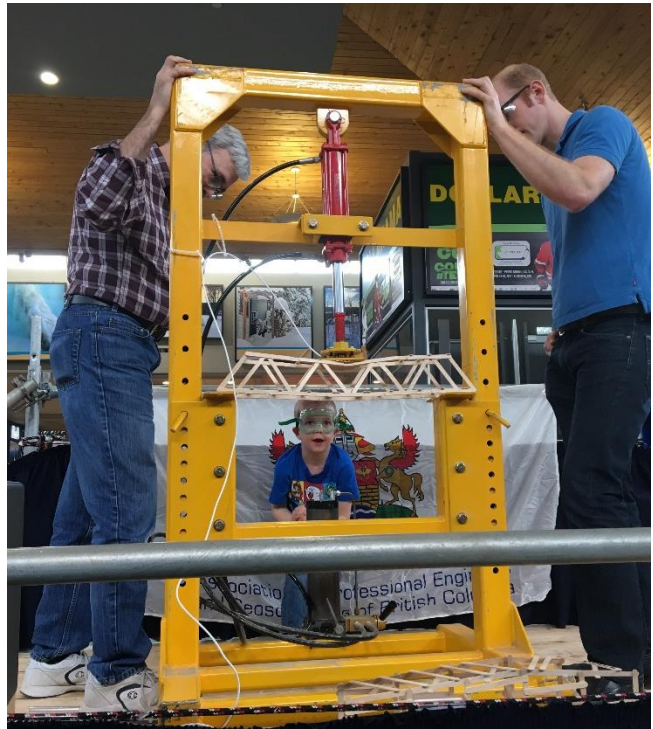
1. One entry per person or team.
2. Contestants are encouraged to register their team in advance to speed up registration on the day of the event.
3. All bridges must be weighed at the registration table prior to the event.
4. Please email your completed registration form to ci@egbc.ca by April 4th, 2018.
5. Anyone who pre-registers will be given a participation certificate on the day of the event.
6. Bridges will be inspected during registration. Any violations of the rules will result in disqualification from the prizes; however, the contestants will still be able to test the bridge.

MATERIALS AND BRIDGE CONSTRUCTION

1. Maximum of 100 standard popsicle sticks. Sticks must be left whole.
2. Standard all-purpose white glue. No other glues are acceptable (including carpenter's glue).
3. Colour and non-structural decorations can be added. Please do not paint your bridge.
4. Bridges will be inspected during registration. Any violations of the rules above will result in disqualification from the prizes; however, the contestants will still be able to test the bridge.

BRIDGE DIMENSIONS

Length: Min. 550mm/Max. 660mm
Width: Min. 50mm/Max. Unlimited
Height: Max. 450mm



JUDGING CRITERIA

1. All bridges will be judged for aesthetics at the time of registration and weighing.
2. All bridges will be crushed to determine how much load the bridge carries. Top 3 bridges with the highest load to weight ratio (pounds/grams) in each category will be awarded prizes.
3. There will be 5 categories for the contest: Primary (Grades 1 through 3), Intermediate (Grades 4 through 7), Secondary (Grades 8 through 12), Professional and Open Adult.
4. There will be a single aesthetics prize for a combined Professional and Open Adult category.

BRIDGE TESTING

1. Bring your built bridge to the contest.
2. The bridges will be loaded from the top. Sufficient space must be provided for the loading mechanism (approx. 50mm x 50mm).
3. All contestants and officials within the loading area must wear protective eyewear (provided).
4. An electronic load cell will record the maximum load that each bridge carries prior to failure.
5. The recorded load will be divided by the bridge's mass to determine the load/mass ratio.
6. The highest load/mass ratio will determine the winners. In the event of a tie (same load/mass ratio) the lighter bridge will win.

