

# Bridge Building Contest



Saturday, May 13, 2017

## Who May Enter

Enter individually or as a group (up to 4) in one of three categories:

- Grades 5 and 6 (Elementary)
- Grades 7 and 8 (Elementary)
- Grades 9 to 12 (Secondary)
- Open (no cash prize)

## Construction Specs

- **Bridge must be 450 mm in length.** Penalties apply if bridges are too short or too long
- **Minimum width must be 40 mm.** Penalties apply if bridge width is too narrow
- Height dimensions are left to your discretion.
- Glue can only be applied to wood surfaces in contact with each other
- Use only the eight balsa strips provided by the college.
- Only one entry per person/group

## Materials Available

- Kits of eight balsa strips may be picked up on weekdays at the Sault College Reception 9 a.m. to 4 p.m. (while supplies last)
- Kits are \$4.00, payable by cash or cheque

## Registration

Thursday, May 11, 2017

3:30 to 8 p.m.

Sault College Essar Hall

Bridge must be dropped off at time of registration

## Competition

Saturday, May 13, 2017

Testing begins 10 a.m.

Sault College Multimedia Centre

## Judging and Testing

- Bridges will be judged for functionality, originality, length specification (450 mm), minimum width specification (40mm) and load carrying capacity
- The load carrying capacity is judged by applying a load the top centre of the bridge and loading it to ultimate failure
- Note that all joints must be visible for inspection and no glue should be noticeable

For details email

[studentrecruitment@saultcollege.ca](mailto:studentrecruitment@saultcollege.ca)

or call 705-759-2554, ext 2222



Professional Engineers  
Ontario  
Algoma Chapter



# Register at Sault College

## Thursday, May 11, 2017

### 3:30 to 8 p.m.

Complete one form for each bridge entered. Information for each participant is required if entering as a group/team. We encourage you to copy this form as needed.

PLEASE PRINT CLEARLY

Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
School \_\_\_\_\_ Grade \_\_\_\_\_  
Home Phone \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
School \_\_\_\_\_ Grade \_\_\_\_\_  
Home Phone \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
School \_\_\_\_\_ Grade \_\_\_\_\_  
Home Phone \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
School \_\_\_\_\_ Grade \_\_\_\_\_  
Home Phone \_\_\_\_\_

OFFICE USE ONLY

Bridge No \_\_\_\_\_  
Weight \_\_\_\_\_  
Length \_\_\_\_\_

## Category

- Grades 5 & 6 (Elementary)
- Grades 7 & 8 (Elementary)
- Grades 9 to 12 (Secondary)
- Open (no cash prize)