



## **RULES: HEAVYWEIGHT**

This competition is open to any full-time secondary or post secondary student. At least one builder of each bridge entered must accompany the bridge to the contest. Okanagan College will provide a space for storing bridges prior to the competition but it is the responsibility of the competitor to safely store and protect their bridge(s) prior to testing. Okanagan College will bear no responsibility for bridges that are damaged or broken prior to testing.

### **Materials**

The bridge shall be built using any commercial pasta product. The pasta may be shaped, molded or boiled in water, but no additives are allowed.

Commercial glue or epoxy shall be the only joining material and may not be used as a structural member. It is intended that glue be used for joints only; **continuous strands of glue running along the length of any member are not allowed.**







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33(S7906eG[Th)-2(e)The load is applied through a plate 50 mm (2 in) wide and 5 mm (1/8 in) thick. The load is applied to the center of the bridge span. The load is applied to the center of the bridge span.



## JUDGING

Bridges will be inspected and weighed by the judges prior to testing to ensure all bridges comply with the rules. Bridges failing inspection will be disqualified. Only one contestant per bridge will be allowed in the judging area. Each bridge will be placed by the contestant on two level, smooth-topped platforms with an open space of 1.00 m between the platforms. All contestants must accept the loading conditions as provided.

The load will be applied to the U-bolt of the heavyweight loading platform that is located at mid-span of each bridge. The load will be progressively increased until failure occurs.

Bridges may not be touched while under load.

In the event that two bridges fail at the same load, the lighter bridge will be ranked higher than the heavier one.

**ON ALL MATTERS, THE JUDGES' DECISION IS FINAL. THE JUDGES HAVE THE RIGHT TO DISQUALIFY ANY BRIDGE THAT IN THEIR OPINION IS IN VIOLATION OF THE INTENT OR LETTER OF THE RULES. THE JUDGES HAVE THE RIGHT TO ACCEPT ANY BRIDGE THAT IN THEIR OPINION IS CONSISTENT WITH THE RULES.**