October 14, 2019

Dear Members & Friends,

Our first event of the year is coming up on Nov 19, 2019 – Our 5th Annual Weld Challenge.

This event is an evening of competition, where teams are given a couple of hours to build a structure and then compete against other teams to see who has completed the best build. Past events have included a bridge (twice), a catapult/trebuchet and a crane. Please see the attached report of last year’s competition.

As part of this year’s event we were hoping to find sponsors who are willing to participate with us for the event. With your sponsorship we will include your logo on future mailers for the event, display your logo (print and/or electronically) at the event, and on our post-event write-up.

We are specifically looking for sponsors for the following items:

- Competition materials; provide the required materials for each team
- Dinner; cover the cost of the dinner for the event. We are tentatively looking at having this provided by the Tec Voc culinary program
- Prizes; we have always provided a first prize (typically Jets tickets) and second prize (typically welding equipment/gear) but would love to expand that as well
- Cover the costs of entry for the high school teams; $100 per team, expected ~3-6 teams

We are also always happy to have additional prizes, etc. to give out to the participants.

If this is something you are interested in helping out with, please reach out to any of the CWBA Winnipeg executive members, or to myself.

With the best regards,

Steven Kristensen
Winnipeg Chapter Vice-Chair
Welding Engineer, ProForma Engineering Ltd.
steven.kristensen@proformaengineering.com
204-414-9107 x237
The CWA Winnipeg Chapter’s 4th Annual welding challenge commenced Thursday, November 22 at Murdoch McKay Collegiate. This year’s challenge was to build a functional “crane” with only the materials provided. The rules and list of materials were supplied to each team prior to the competition. The teams had one hour to build their “crane” and majority of the teams had their “crane” previously designed and a plan ready. This year’s competition involved four teams from industry and three high school teams.

After the build was complete, the Tec Voc culinary program provided a delicious dinner while Todd Laudy did a presentation on his experiences in the welding industry.
Once dinner and presentations were complete, it was time for the competition! Each “crane” was required to elevate a 20-litre pail and a minimum height of 2 feet off the floor when the crane is in a rest position. The team members who built the crane will then fill the bucket with sand. The “crane” would have a 5 LB counterweight on the opposite side of the pivot point to maintain the elevation of the bucket while sand was added. Any unused material supplied for building the crane could be added to the counterweight. The bucket would continue to be filled with sand until the bucket is either completely filled or touches the ground, whichever comes first. The team with the crane that supported the most weight before touching the ground wins. However if more then one crane supported a filled bucket, approximately 67lbs, than the deflection of the bucket (distance the elevation of bucket dropped) will be determined the winner.
There was a lot of creativity put into each design concept from the teams. It shows that a lot of time and effort was put into each design.
It was an exciting competition for the spectators and organizing team as well as a fun and great experience for the competitors. We hope to see you back at next year’s challenge!