

Skills Canada British Columbia

Junior Skills Gravity Vehicle  
Challenge 2013

Judging

## The Gravity Vehicle Contest – Judging

### Setting the Judging Context

The judging process of a Skills Canada contest is an important aspect of the competition. A positive or negative experience can have lasting effects on a student's impression of Skills Canada and of trades and technology careers. Although it is always a goal to win a competition, the emphasis should be more on participation and doing your best than on being the top team.

The purpose of Skills Canada competitions is to increase student awareness of trades and technology careers through hands-on competitive events. The focus of the Junior Skills competition is to encourage grades 6-10 student participation in hands-on trades and technology fun activities and create a positive experience.

The goal of the contest is for students to leave the contest with:

1. A sense of accomplishment and enthusiasm for the experience
2. A positive feeling about the experience and thoughts about working with materials, tools, and the pride that brings, and
3. Looking forward to next years Skills Canada competition and how they could improve their performance or expand into other contest areas,
4. A trade or technology career would be fulfilling and fun.

Each team must arrive with a completed Gravity Vehicle. Each vehicle will be inspected for the outlined gravity vehicle specifications: weight, length, height and construction. No modifications will be allowed once the team has registered the vehicle at the event. Upon successful inspection, each team will be entered into the computer for the generation of the heat race schedule. The computer software will generate a random heat schedule that allows each team to race different teams for a minimum of three races in alternating lanes. Each race is timed and ranked for top speed using a computer and software. At the conclusion of the racing, each vehicle will be weighed once more. This weight must match the original registration weigh in amount or the team will be disqualified. The team with the fastest overall race times of all the heats wins **GOLD**. The team with the second fastest overall race times of all the heats wins **SILVER**, and the team with the third fastest overall race times of all the heats wins **BRONZE**.

In the case of a computer breakdown, a manual double elimination heat schedule will be generated and followed to determine the fastest vehicles for Gold, Silver and Bronze.

#### **BC Regional / Provincial Technical Chair:**

John Pinto    email: [pinto\\_j@sd36.bc.ca](mailto:pinto_j@sd36.bc.ca)