

CWSF 2008 - Ottawa, Ontario



Christina Noël

Busting a Bridge: Only the Strongest Will Survive

Division: Health Sciences / None

Category: Intermediate

Region: Cariboo Mainline

City: Kamloops, BC

School: Sa-hali Secondary

Abstract: My project analyzes the forces, strengths, and weaknesses of a bridge built from 100 popsicle sticks and white glue, when it is loaded on the apex. I found that the strongest bridge spans above its deck, and the ends of a bridge are the most likely to break, because of the immense amounts of shear. My record holding weight is 1,620 lbs.

Biography

My name is Christina Noël, and I am a Gr.10 student at Sa-Hali Secondary School, in Kamloops, BC. At school, I am a part of Student's Council, Coordinator of a major Gr.7 student bridging event, UN Model assembly representative, peer tutee, BC Student Voice representative, and a straight "A" student. I am an active member of the Girl Guides of Canada, as a Ranger. I enjoy volunteering around my community, and spend my Saturday afternoons helping out at a senior's residence. I work part-time in an optometric clinic, and my interests include: building popsicle stick bridges, camping, and playing my trumpet, as well as sporting a slight obsession with the Harry Potter series. I have received several awards, including Math awards, best CAD student, my Canada Cord, and have been on the First Class Honors List since Gr. 8. I am also currently working on achieving my Bronze Medal in the Duke of Edinburgh Young Canadians Challenge. After High School, I hope to attend UBC, and obtain a degree in civil or structural engineering. I have participated in the Regional Science fair many times, but this is my first CWSF.

Awards

Value

Honourable Mention - Engineering - Intermediate Sponsor: Youth Science Foundation Canada	\$100
Total	\$100