

# CWSF 2013 - Lethbridge, Alberta



## Brielle Lillywhite

### How Fast Does Your Ride Glide?

**Challenge:** Discovery

**Category:** Junior

**Region:** Chinook Country

**City:** Okotoks, AB

**School:** Red Deer Lake School

**Abstract:** The purpose of my study was to determine which toboggan surface is faster, wood or plastic, and thereby provide valuable information to the recreational toboggan enthusiast to heighten the thrill of their ride. Statistically significant data was obtained confirming that the High Density Polyethylene Plastic Toboggan provided a faster sliding surface.

#### Biography

My name is Brielle Lillywhite. I was born, and reside in the Calgary area. I am a seventh grade student at Red Deer Lake School, Alberta and have achieved Honours with Distinction. My favourite subjects are Mathematics and Science. I am an active participant in the Building Hope Project, raising awareness and funds to create change in our world. We have completed several projects in Ewaso Ngiro, Kenya including the construction of a school. Outside of school my time is spent dancing taking formal classes in Ballet, Pointe, Jazz and Contemporary. I am working towards my RAD Intermediate Ballet Certificate. I perform with a pre-professional dance company, Corps Bara Youth Dance Company. Some of my performances include A Time for Everything, TTYL and most recently Prodigal at Mount Royal University. I also study flute, saxophone, and piano. Dance and music are part of my future goals. Post-secondary plans include becoming a Teacher with a double major in Science and Mathematics. The inspiration of my project in part is attributed to living in Canada and sharing an interest in the Canadian winter pastime of tobogganing. This science fair project combines a recreational winter pastime with my interest in Science and Mathematics.

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 100</b>