

## CWSF 2013 - Lethbridge, Alberta



### Jared Schenkels

#### Reduction of Vibrations in Emergency Ski Patrol Toboggans

**Challenge:** Innovation

**Category:** Intermediate

**Region:** Chignecto West

**City:** Stewiacke, NS

**School:** South Colchester Academy

**Abstract:** This project aims to reduce the transmission of major vibrations (shock loads) between the emergency ski patrol toboggan and the spinal board when when bumps and other obstacles (stumps, roots, rocks and ice) are encountered through the use of experimental vibration dampening systems.

#### Biography

I am Jared Schenkels, a grade 10 student at South Colchester Academy in Brookfield, Nova Scotia. I am a First Responder who volunteers as firefighter at his local fire department and ski hill. When I'm not at the ski hill or fire hall, I enjoy playing sports such as volleyball, soccer, biking. I work as the Director of our own live school television station, SCA TV, and am head of sound and lighting engineering for special events including musicals, concerts, and presentations. Inspiration for my project came from during my toboggan certification when I experienced a rough ride down the hill and began looking for a way to improve the transportation of injured guests down the ski hill. I would tell a prospective student thinking of doing a project to go for it! It is wonderful experience and one I would definitely do again!

#### Awards

#### Value

Australian National Youth Science Forum Award	\$2 500
<b>Total</b>	<b>\$2 500</b>

