

# CWSF 2009 - Winnipeg, Manitoba



## Jenna Schlorff

### Crushed!

**Division:** International / Automotive

**Category:** Junior

**Region:** Bluewater

**City:** Hanover, ON

**School:** Holy Family E.S.

**Abstract:** The result of the crush formula calculation was compared to the result of the CDR download in determining the speed of a vehicle at the time of impact during a collision. The two methods were applied to fifty vehicles. The CDR speed proved to be more accurate than the crush formula speed. A series of jump tests were completed to validate the exact trajectory equation.

### Biography

My name is Jenna Schlorff. I have lived in Hanover Ontario all of my life. I attend Holy Family School and I am in grade eight. I participate in the school choir, band, yearbook committee, and the skipping team. I also serve in my church, play the piano, and work at CMR, an insurance company. I would like to be a Pharmacist when I grow up. In grades five and six I participated in the Bluewater Regional Science and Technology Fair I received the Freddy Fusion best in the fair award. I enjoy completing a Science Fair Project every year. I am very honoured to be representing my region at the 2009 Canada-Wide Science Fair.

### Awards

### Value

The University of Western Ontario Scholarship Gold Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Automotive - Junior Sponsor: AUTO21	\$700
Gold Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$1 500
<b>Total</b>	<b>\$5 700</b>