

## CWSF 2008 - Ottawa, Ontario



### Courtney Hansen

#### Detection Inspection

**Division:** International / None

**Category:** Junior

**Region:** Northwestern Ontario

**City:** Sleeman, ON

**School:** McCrosson-Tovell E.S.

**Abstract:** This experiment involving smoke detectors determined the quickest reaction time, if cleaning affected the results, and if detectors without heat sensors would react to heat. I constructed two testing structures and in a strict testing procedure, I used incense, "Smoke Test", and a heat gun. I found out cleaning made little difference and two detectors reacted to heat. I decided Kidde Multi-sensor was best overall.

#### Biography

My name is Courtney Hansen and I live in Bergland, Ontario. I am 13 years old and in Grade 8 at McCrosson Tovell School. I have been in figure skating and dance for 9 years. I have also been a Junior Figure Skating Coach for 4 years. I play on soccer and baseball teams and go to badminton tournaments. I love to play other sports like basketball, volleyball, and hockey. Last year, I won the District and Regional Basketball Free Throw in my category. I am a straight-A student and my best subjects are Math, Science, and Phys. Ed. I have been successful in chess tournaments, winning medals and qualifying for Canada's championships. I have had success in local and regional science fairs in the past 4 years. I have been a Pals/Props leader for 2 years ? someone who organizes physical activities for young children. I am a former Conflict Manager ? someone who helps solve student conflicts. I enjoy outdoor activities such as camping, snowmobiling, and wildlife photography. I also like to read, go shopping, and spend time with friends and family.