

# CWSF 2011 - Toronto, Ontario



## Kirsten Ernst

### Noises Beware; My Decibel Meter is Listening

**Challenge:** Health

**Category:** Intermediate

**Region:** South Shore

**City:** Blockhouse, NS

**School:** Bayview Community School

**Abstract:** Noise is everywhere, including classrooms. I investigated noises in the classroom, its effects, and looked at classroom floor-plan designs. I recorded noise levels in classrooms, using a dBA meter. Then using memory tests, I looked at effects on students when more noise was generated; including learning and performance. From there I created an ideal classroom floor-plan which could be used, further benefiting students and teachers.

#### Biography

Hi, my name is Kirsten Ernst. I am extremely excited to be attending my 2nd consecutive science fair!! It will be great to meet new people and reconnect with dear friends from the past. I am a grade 9 student at Bayview Community School, in Mahone Bay, who has had a wonderful and successful year. In mid December, as part of Social Justice, I organized an "Anti violence Against Women and Children Day" at my school to raise awareness. As a result of this, our group received a resolution from our local MLA which was read at the Nova Scotia Legislative Assembly, and was an honor. I have performed in numerous Jazz and Concert festivals with flute and trumpet; participated in mental math competitions (2nd place), and have been an active peer-mediator. I recently took part in a CBC radio interview regarding my project. Some of my hobbies include: reading, crafts, outdoor activities, school, music and science. Swimming is a passion of mine, which I've done since the age of 6. By becoming a French or math teacher, as a future career, I hope to inspire others, like others have inspired me!! This experience is truly an honour!!

#### Awards

#### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
<b>Total</b>	<b>\$1 300</b>