

# CWSF 2010 - Peterborough, Ontario



## Alex Hiebert

### Does Temperature Effect Wind chimes

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** St. James-Assiniboia

**City:** Winnipeg, MB

**School:** Bruce Middle School

**Abstract:** Whenever I went to clarinet lessons in winter, my clarinet sounded out of tune until it warmed up. This project looks at how temperature effects the sound of three different wind chimes at three different temperatures. My hypothesis was that the note from the wind chime would be higher as the temperature increased. The experiment showed that as the temperature increases the note was higher.

### Biography

My name is Alex, I am 12 years old. I enjoy playing video games and bike riding in the park. I also like going to the lake where I go swimming, knee boarding, fishing and pedal boating. My favourite school subject is Math. I take clarinet lessons and play in the concert and jazz band at school. I like playing with my friends, going on sleep over's and going to boys club once a week. My floor hockey team and leaders were very excited when I shot the winning goal in shoot out. I also like animals and I have a pet bunny.