

## CWSF 2008 - Ottawa, Ontario



### Theron Hlasny, Raef Given

#### Hot Vs Cold

**Division:** International / None

**Category:** Junior

**Region:** Prince Albert & Northeast Saskatchewan

**City:** Prince Albert, SK

**School:** East Central School

**Abstract:** Does cold air create more lift on a paper airplane than hot air when velocity and angle of attack are constant? Our findings show cold air to have 25% to 80% more lift at two different angles of attack and constant velocity than hot air. Our experiment proves that cold air creates more lift than hot air on a paper airplane.

#### Biographies

Theron - My name is Theron Hlasny. I am 14 years old and in grade 8. I go to a small school that is located in northern rural Saskatchewan. I like hunting and have went to nationals in fencing. I also am in bowling and went to provincials. Overall, I like animals, sports and enjoy reading.

Raef - My name is Raef Given. I am 13 years old and in grade 8. I am in Air Cadets and am going to provincials for target shooting. I play hockey in the winter and dirt bike in the summer. I live on a farm so I operate machinery, riding lawn mowers, trucks and tractors. Thank god I'm a country boy.