

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.