

## CWSF 2007 - Truro, Nova Scotia



### Neil Harris

#### Airfoil Design vs Stall

**Division:** Health Sciences / None

**Category:** Senior

**Region:** Northwestern Ontario

**City:** Murillo, ON

**School:** Sir Winston Churchill C.V.I.

**Abstract:** I constructed a wind tunnel to test various airfoil designs both clean and contaminated to determine their stall angle of attack and maximum lift angle. Throughout these experiments I varied the wind speed and airfoil angle of attack to determine stall angle utilizing a smoke machine.

#### Biography

Currently I am participating in a high school aviation technology program where I assist with the maintenance on airplanes and learn how they are operated. I have one year of high school remaining and then I am hoping to enroll at ACE (Aviation Center of Excellence) where I hope to gain my pilots license. I am the type of person that enjoys traveling and I have had the opportunity to live and attend school in both England and Ireland.