

# CWSF 2009 - Winnipeg, Manitoba



## Cameron Hayley

### Max Downforce

**Division:** Health Sciences / Automotive

**Category:** Junior

**Region:** Chinook Country

**City:** Priddis, AB

**School:** Red Deer Lake School

**Abstract:** This experiment looks at the differences between various spoiler angles and which angle creates the most down force on the rear wheels of the car. Down force is important for traction for the tires and cornering. The experiment results showed an angle of 50 degrees is the optimum angle in which the down force was maximized.

### Biography

I am a grade 7 student from Red Deer Lake school. I am very athletic, smart and funny. After the first two report cards this year I have achieved a 90 percent average out of all my subjects. I have also made all the school sports teams like volleyball, basketball and badminton. Out of school I enjoy quading and riding my bike. I have won 5 Championships racing go-karts, and am now racing two thirds scale race cars in the U.S. and Canada. When I grow up I hope to go to a NASCAR university in Charlotte, North Carolina. There I hope to learn a little about NASCAR race cars and hopefully race in the Nascar Series one day.

### Awards

### Value

|   |         |
|---|---------|
| The University of Western Ontario Scholarship<br>Bronze Medallist - \$1000 Entrance Scholarship<br>Sponsor: University of Western Ontario | \$1 000 |
| Bronze Medal - Automotive - Junior<br>Sponsor: AUTO21   | \$300   |
| Total   | \$1 300 |