

# CWSF 2011 - Toronto, Ontario



## Matt Forward

### What type & colour of roof is the most thermally efficient in Fort McMurray?

**Challenge:** Energy

**Category:** Junior

**Region:** Wood Buffalo

**City:** Fort McMurray, AB

**School:** Timberlea Public School

**Abstract:** I wanted to find out if the colour and type of roof affects the thermal efficiency of a house in Fort McMurray where I live. I constructed an insulated model house with different roof types and colours and tested (1) the reflectivity of the roof and (2) the internal and external temperature of the house to determine thermal efficiency.

### Biography

I love sports and have played rep hockey as a goalie and rep baseball as a pitcher & catcher. I also like snowboarding, golfing, and biking. My career plans are to be an NHL goalie but I know the chances are slim so I work hard at school so that I can get into a university of my choice. My favourite subject is math so I will probably be an architect or engineer like my Dad. I have won lots of sports awards such as MVP and always get an Award of Excellence for school. I was really excited to win a gold medal at the Science Fair and be selected to participate in the Nationals.

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
<b>Total</b>	<b>\$1 300</b>