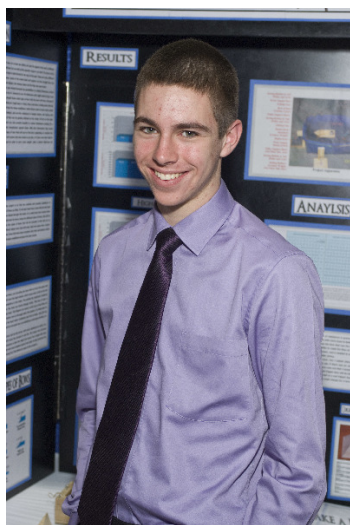


# CWSF 2010 - Peterborough, Ontario



## Colin Hooper

### Take A Bow

**Division:** Physical & Mathematical Sciences

**Category:** Intermediate

**Region:** Cape Breton

**City:** Howie Centre , NS

**School:** Malcolm Munroe Memorial Jr High School

**Abstract:** This project investigated the difference in resistance to movement through water for 5 different types of boat bows. The project used a water tank and pump that created water pressure on a boat and the different bow shapes. The water flow resistance was measured 10 times for each bow shape under similar conditions and at two different water flow rates to insure the best results.

### Biography

I am a grade 9 French Immersion student at Malcolm Munroe Junior High in Sydney N.S. where I play on the school hockey and soccer teams as a goaltender and play trombone in the Grade 9 concert band. Outside school, in the winter months, I am a goalie for the Cape Breton County Islanders Midget AAA hockey team and an affiliate player for the Cape Breton Tradesmen Major Midget hockey team. When not playing competitive sports I volunteer as a goalie coach for my younger brother's hockey team. My summers are spent playing keeper for the Riverview Tier II B soccer club with whom I won a provincial championship in my second season at the under 14 level. I also like spending time with my friends and swimming at our family cottage with my brother, parents and many relatives. This is the second opportunity I have had to attend the Canada Wide Science Fair, but unfortunately I was unable to travel to Winnipeg last year due to prior commitments.

### Awards

### Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$300
Total	\$1 300