

## CWSF 2015 - Fredericton, New Brunswick



### William Campbell

#### What's the Drift? Where's the Drift?

**Challenge:** Environment

**Category:** Junior

**Region:** Kivalliq

**City:** Arviat, NU

**School:** Qititliq S.S.

**Abstract:** We sought to find a more efficient way to stop snow from accumulating near a remote hunting camp infrastructure. We found that an angled fence produced a larger down wind snow free area recording 38% less snow accumulation than conventional fence designs and 87% less accumulation than the control. We believe the angled fences ability to laterally deflect wind borne snow created this result.

#### Biography

Hi my name is William Campbell and I am from Arviat, Nunavut and have lived here for eleven years. I enjoy playing soccer, swimming and playing outside and watch the occasional polar bear walk by from the safety of my house. The reason why I chose this project about snow fences is due to the fact that we get many blizzards which cause us to get big drifts around our homes and cabins. I wanted to try and find a solution to prevent snow drifts from developing around my home. In the future I would like to build a snow fence close to my home to help prevent snow drifts. My advice for others would be to choose a project that you really enjoy studying and learning about because it is a lot of work.

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000