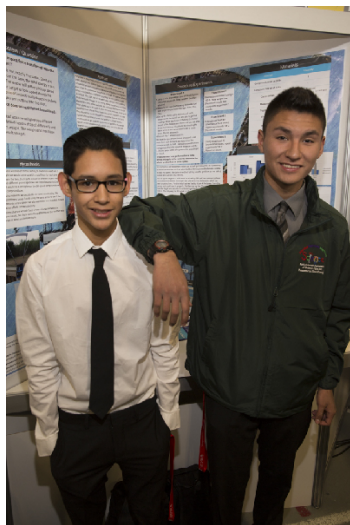


CWSF 2016 - Montreal, Quebec



Jordan Knife, Tarron Vandall

Impact Velocity

Challenge: Discovery

Category: Senior

Region: Saskatchewan First Nations

City: Shell Lake, SK, Canwood, SK

School: Ahtahkakoop School

Abstract: The whole objective of our project was to find the total impact an arrow has on a target using the average speed of the arrow fired and distance fired from. What we did is we took 2 compound bows, 30 and 60 pound bows and compared the total force. We shot 5 initial and 5 end speeds from each bow from different distances. Used Physics.

Biographies

Jordan - Well to start off, my name is Jordan Hunter Knife and i am 16 years of age. I am in grade 11 and i am a sports player that also does good in school. I can do a lot such as play different sports and i'm good with my math and science. Going for mechanical engineering is something i would like to do. What inspired me to do my project is a few years ago i did a project on the accuracy of a pellet gun from different distances. This year i've decided to switch it up. Really you can do anything you set you mind to. All you have to do is have commitment.

Tarron - My name is Tarron Vandall and i am from Ahtahkakoop first nation. i got my inspiration for my project from my past of hunting big game with the bow and arrow. my further investigations are to keep shooting the bow with different arrow heads and different arrows to see the differences. The advice I personally would give other kids is to go for it, and to work hard on the experiments they're doing.