

## CWSF 2016 - Montreal, Quebec



### Brennan King

#### The Ultimate Angle

**Challenge:** Discovery

**Category:** Junior

**Region:** Greater Vancouver

**City:** Vancouver, BC

**School:** Prince of Wales Secondary

**Abstract:** Does the launch angle of a Frisbee affect how far it travels, and if so what angle sends it the furthest? In order to answer these questions a Frisbee launcher that can throw discs at several different angles was made. After experimentation, I found at the best launch angle is 15 degrees.

#### Biography

My name is Brennan King, and I am a grade 8 student attending Prince of Wales Mini school. I love all sports, but my two favourite are soccer and ultimate. When I grow up I aspire to be either an architect or a computer programmer. The reason that I am doing this project is because I do not have a very long throw in ultimate, and the angle at which the disc is released plays a large factor in the distance that it travels. I have recently been doing a bit more fine tuning on the Frisbee launcher. I have added a counter-top surface on the launch surface to reduce the friction, but I would also like to get a more powerful drill. Once these changes have been made I will redo my experiment and see if the results are the same. For anyone that feels intimidated by science fair, just remember to choose a topic that you are passionate about. Choose something that you enjoy doing, so that science fair becomes what it really is, fun.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040