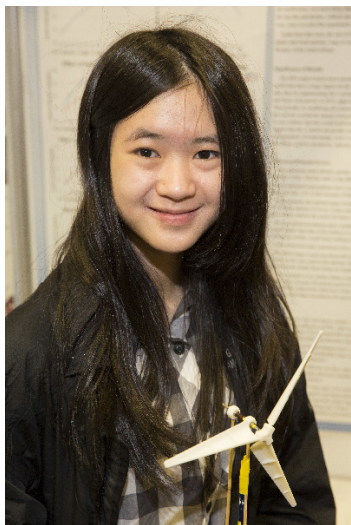


CWSF 2014 - Windsor, Ontario



Chloe Chen

A Better Wind Turbine - The C Airfoil

Challenge: Innovation

Category: Junior

Region: Greater Vancouver

City: Vancouver, BC

School: West Point Grey Academy

Abstract: The purpose of my project is to improve the efficiency of current wind turbines. Many of the websites I consulted suggested that wind turbine blades today are based almost entirely on airplane wings. From this, I was able to improve the efficiency of wind turbine blades by first studying the differences between wind turbines' and airplanes' behaviours, and then modifying the blades accordingly.

Biography

My name is Chloe Chen. I am in grade 8 at West Point Grey Academy in Vancouver. This is my first time at CWSF, though I did participate in the Greater Vancouver Regional Science Fair last year, along with several other students from my school. I am very excited to be going to Windsor this year! Other activities I am participating in this year include the school orchestra, for which I am going to Whistler for the Con Brio Festival, and Destination Imagination, for which I am going to Tennessee for the international competition. My hobbies include watching anime and painting, and my favourite subjects at school are science and art.

Awards

Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 300

