CWSF 2012 - Charlottetown, Prince Edward Island

Adrian Hucal

Where Does the Wind Test Best?

Challenge: Energy
Category: Junior
Region: Bay Area
City: Stoney Creek, ON
School: Our Lady of Peace E.S.

Abstract: Vertical Axis Wind Turbine power output was studied. Factors that affect wind were organized to generate an algorithm to help determine where wind availability would be best in a specified area. More wind availability was assumed to create more wind power. Applying the algorithm against power output data proved that an algorithm can successfully predict wind availability and guide where to place a wind turbine.

Biography
Adrian Hucal is 13 years old and lives in Stoney Creek, Ontario. He is an avid environmentalist and always seeks out new ways to do whatever he can to save the earth. He holds the position of Eco-Rep on his school's student council. Adrian is proud of his Ukrainian heritage and cultural traditions. He will be competing as a dancer at Canada's National Ukrainian Festival in Manitoba this summer. Adrian prefers being outdoors and his favourite season is winter. He loves watching and playing baseball, and following his favourite team, the Toronto Blue Jays. He recently served as a Legislative Page in Ontario's Provincial Legislature in Toronto during the Winter 2012 session. He was honoured to play a role in provincial politics. Adrian has varied future aspirations - from environmental engineering to being a historian. Future goals include an expedition to the Arctic with "Students on Ice", hoping to continue to be inspired by the nature that surrounds us. Adrian is best known within his school board for speaking up on issues regarding global warming, environmental stewardship, and energy conservation. He hopes his science fair project motivates others to take action to save the earth.

Awards	Value
Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	$300
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 300

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