

# CWSF 2011 - Toronto, Ontario



## Alex Rhee

### The Airless High Efficiency Dryer

**Challenge:** Innovation

**Category:** Intermediate

**Region:** Peel

**City:** Mississauga, ON

**School:** The Woodlands School

**Abstract:** The conventional clothes dryer is the most energy consuming household appliance, consuming an average of 1040kWh per year. The Airless Dryer takes a different approach to removing moisture from clothes. Using vacuum technology, it is able to reduce energy consumption and drying time. This increased efficiency benefits individuals with savings in electricity and the environment with reduced carbon emissions.

#### Biography

My name is Alex Rhee. I am a grade 9 student at The Woodlands School. I enjoy video games, soccer and ball hockey. The entire science fair experience has been a highlight of this year and hope to do it again until I'm off to university. I'm not sure what I'll be studying there but you'll find me in the workshop creating gizmos and gadgets.

#### Awards

#### Value

S.M. Blair Family Foundation Award - Intermediate Sponsor: S.M. Blair Family Foundation	\$750
Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$700
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
<b>Total</b>	<b>\$3 450</b>