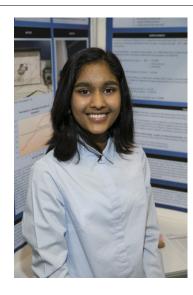




## CWSF 2017 - Regina, Saskatchewan



## **Nethra Wickramasinghe**

## **Hot Air Insu-Layer**

Challenge: Innovation
Category: Junior
Region: Sudbury
City: Sudbury, ON
School: MacLeod P.S.

Abstract: The aim of my project was to reduce heat losses in dwellings during

seasonal cold months. This was achieved using a series of thermopiles that created heat based on the "Peltier Effect". The thermopile heated the air around it and formed an insulating layer of hot air, which reduced the convection rate within a dwelling. The title insu-layer was coined from that

hot air layer.

## Biography

My name is Nethra Wickramasinghe and I am from Sudbury, Ontario. I attend MacLeod public school and I am in Grade 8. I enjoy hiking, walking my dog, and playing piano. I adore all aspects of the sciences, especially the conservation of energy. As the next generation, I believe that it is our duty to protect the earth for others.

Awards	Value
Excellence Award - Junior - Bronze Medal	
Sponsor: Youth Science Canada	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$1 000



