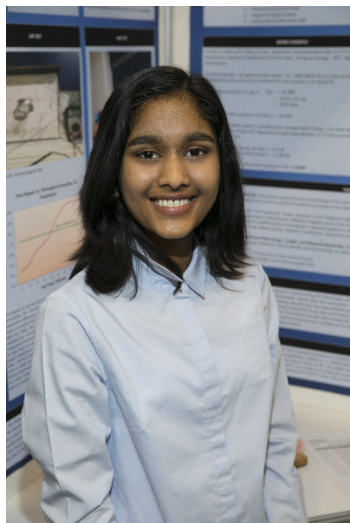


CWSF 2017 - Regina, Saskatchewan



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 Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000