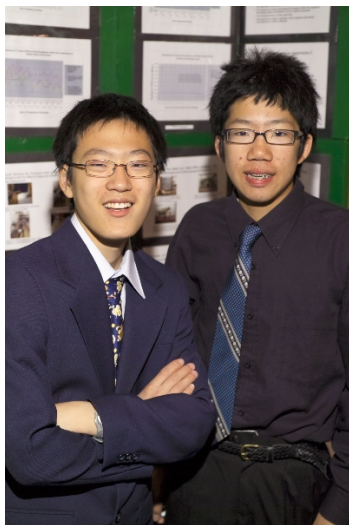


CWSF 2005 - Vancouver, British Columbia



Leo Fung, Chong Shen

Decreasing Urban Heat Islands

Division: Earth & Environmental Sciences

Category: Intermediate

Region: Calgary Youth

City: Calgary, AB

School: Simon Fraser Junior High School

Abstract: This project experimented with the process of growing plants on rooftops in large cities. Evapotranspiration by plants decreased the temperature of all model cities. In addition, carbon monoxide levels were lowered by the presence of rooftop gardens. Several species of plants were tested in over nine experiments.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Earth & Environmental Sciences - Intermediate Sponsor: Petro-Canada	\$300
Total	\$1 300