

CWSF 2005 - Vancouver, British Columbia



Jenna McGuire

Green Inspired Green

Division: Earth & Environmental Sciences

Category: Senior

Region: Bluewater

City: Lion's Head, ON

School: Bruce Peninsula District School

Abstract: To find an equally efficient but more economically feasible alternative to traditional solar cells, I constructed a different type of cell. I tested four variables that affected the electron transfer dynamics of the nanocrystalline titanium dioxide solar cells. The differing variables include; firing times, performing temperatures, anthocyanins and optical filters.

Awards	Value
AECL Award for Excellence in Science - Senior Sponsor: Atomic Energy of Canada Ltd.	\$1 000
Total	\$1 000