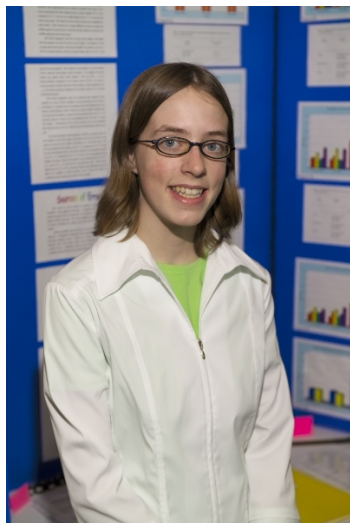


## CWSF 2005 - Vancouver, British Columbia



### Jennifer Payne

#### Touch Sensitivity: Two-Point Discrimination

**Division:** Health Sciences

**Category:** Intermediate

**Region:** Algoma Rotary

**City:** Sault Ste. Marie, ON

**School:** Sir James Dunn C & VS

**Abstract:** My experiment determined how age, gender, location and dominance affected minimum two-point discrimination distance (m2pdd). M2pdd's increased with age. Index finger and thumb values were similar, whereas palm m2pdd's were greater. Gender and dominance didn't affect m2pdd. Applications for this work include use as base values for diagnosis of neurological conditions.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Health Sciences - Intermediate Sponsor: Canadian Institutes of Health Research	\$300
Total	\$1 300