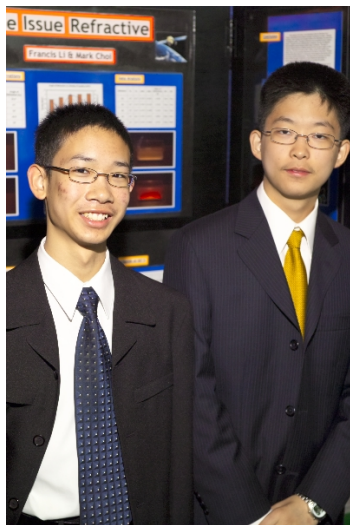


## CWSF 2005 - Vancouver, British Columbia



### Mark Choi, Francis Li

#### The Refractive Issue

**Division:** Physical & Mathematical Sciences

**Category:** Intermediate

**Region:** Toronto

**City:** Toronto, ON

**School:** Winfields Junior High School

**Abstract:** This project investigates the effect of density on the propagation of light through liquids. Experiments involved sending coherent electromagnetic waves through different mediums at a specified angle of incidence. Data analysis indicated an erratic relationship between density and angle of refraction, attributable to the unique molecular structure of each substance.