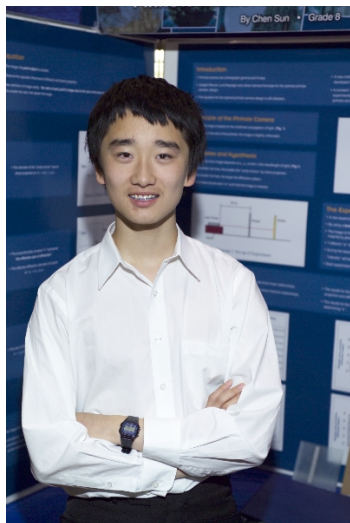


# CWSF 2006 - Saguenay, Québec



## Chen Sun

### The Pinhole Camera - Space Camera

**Division:** International

**Category:** Junior

**Region:** London District

**City:** London, ON

**School:** Orchard Park P.S.

**Abstract:** This project studies Pinhole Camera optimization. Here, a new method using a combination of theoretical and experimental studies is developed. Based on a new experimental method, a defined constant "k" is determined and a complete equation is developed. With the developed equation, a pinhole camera is built to function optimally.

Awards	Value
CAP Physics Prize - Junior Sponsor: Canadian Association of Physicists	\$250
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$700
<b>Total</b>	<b>\$2 450</b>