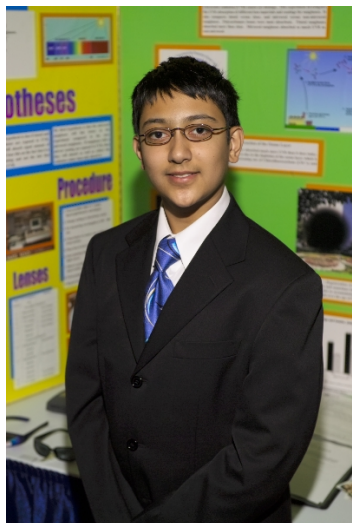


## CWSF 2005 - Vancouver, British Columbia



### Adil Adatia

#### Protection Against Eye Damage From UV Rays

**Division:** Health Sciences

**Category:** Junior

**Region:** Lethbridge

**City:** Lethbridge, AB

**School:** G.S. Lakie Middle School

**Abstract:** Ultraviolet radiation (UVR) causes eye damage. This experiment investigates the UVR absorption of different lens materials and coatings for sunglasses. It also compares tinted versus clear, and mirrored versus non-mirrored sunglasses. Polycarbonate lenses were most absorbent. Tinted sunglasses absorbed more than clear. Mirrored sunglasses absorbed as much UVR as non-mirrored.

Awards	Value
Honourable Mention - Health Sciences - Junior	\$100
Sponsor: Canadian Institutes of Health Research	
Total	\$100