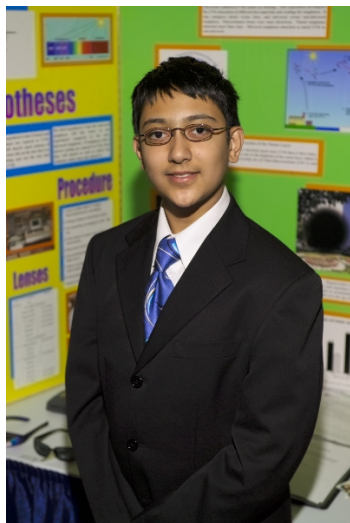


CWSF 2005 - Vancouver, British Columbia



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