

CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

Name(s)	Project Number
Jacob T. Hanna	J2118
	JZIIO
Project Title	
Sunscream	
Abstract	
Objectives/Goals	
My objective was to determine if there is any correlation betw sunscreens and the transmisson of UVA from sunlight. I hype UVA transmisson would decrease with higher SPF. Methods/Materials Four sunscreens of varying SPF were spread on a slide. Each intensity meter. Placed in direct sunlight, the meter ran for fi measurements of the UVA energy for each slide.	othesized that for SPF 15, 30, 50, and 70 the a slide was placed above the sensor of a UVA
Results	distinguing difference ODE 15 had alighdar
The sunscreens of higher than or equal to SPF 30 were not stand higher transmission than the others.	atistically different. SPF 15 had slightly
Conclusions/Discussion	
My hypothesis proved, to a degree, correct. I postulated that transmitted, but that the change observed would not be proportional of the statistical similar, the UVA energy transmitted proportionally. The means of SPF 30 and SPF 70+ were very different, but only slightly.	rtional. The data for SPF 30, 50, and 70+ overlapped. Since the results for SPF 30, nission was clearly not varying
Summary Statement	
My project explores the relation between sunscreen's SPF and linked to skin cancer.	d UVA, the ultraviolet light most commonly
Help Received	
Father gave advice and supplied UVA meter from Alere, Mr.	Kean D'Cruz created the graph using JMP