



**CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY**

Name(s) Audrey L. Robinson	Project Number J1920
Project Title Examination of the Most Effective Sunscreen	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of this study is to determine which sunscreen is the most effective.</p> <p>Methods/Materials I tested four brands of sunscreen using three testing methods: ultra violet beads, a UV meter and Sun-sensitive paper.</p> <p>Results The Ultraviolet beads and UV Meter were not satisfactory testing methods. I then focused my efforts on the sun-sensitive paper and repeated my trials three times for each sunscreen. The sunscreen with the most zinc oxide was the most effective.</p> <p>Conclusions/Discussion Repeated trials of sunscreen on sun-sensitive paper proved the sunscreen with the most zinc oxide had the best protection against UV rays. It is concluded that sunscreen with at least 10% of zinc oxide is the most effective.</p>	
Summary Statement I showed that zinc oxide based sunscreens provide the most protection from the sun.	
Help Received None. I researched methods and tested the sunscreens on my own.	