



CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

Name(s) John Van Parys	Project Number J1917
Project Title How Long Til You Burn?	
<p style="text-align: center;">Abstract</p> <p>Objectives The objective of this study is to determine the effectiveness of sunscreens with varying SPF values over the course of 2 hours and if the higher SPF value corresponds to better protection.</p> <p>Methods Varying SPF values of sunscreen, UV Sunlight Reader, UV Beads, Nature Print Paper. Measure the effectiveness of 4 sunscreens with different SPF values over the course of 2 hours.</p> <p>Results Several trials were conducted using different SPF sunscreens, the Nature Print Paper and the UV Beads. The results observed using the UV beads yielded the most helpful data and showed that the higher SPF value the more effective the sun protection was during the course of 2 hours.</p> <p>Conclusions I was able to show that higher SPF values offer better sun protection for a longer period of time over the course of 2 hours. This can help consumers select a sunscreen product when presented with varying SPF values in order to prevent sun damage and potentially skin cancer.</p>	
Summary Statement I showed that higher SPF values of sunscreen offer better protection over the course of 2 hours.	
Help Received None. I performed and modified my experiment by myself.	