



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Jeffrey T. Wilfong	Project Number J0235
Project Title Splatter Patter: Development of a Single Use Sunscreen Applicator	
Abstract Objectives/Goals To develop a single use sunscreen applicator that prevents contamination of hands and eyes, yet still allows adequate sunscreen to be applied. The name Splatter Patter was picked based upon how the single use applicator is used. Original ideas for the design were tested and improved upon. Methods/Materials Several iterations of the applicator were developed using materials such as cotton, gauze pads, felt, tape, and foil. Sunscreen purchased at a store was also used. Results The Splatter Patter works great! Testing and improving upon several designs resulted in a single use applicator that makes it possible to apply sunscreen without getting it on your hands or in your eyes. Problems such as how to evenly distribute the sunscreen in the applicator and how to prevent drying or leaking of sunscreen were solved by experimenting with different materials and design approaches. Conclusions/Discussion Sunscreen should be used by anyone who is out in the sun for long periods to prevent sunburn and long-term problems such as skin cancer. Today many people do not like to use sunscreen because it can be messy to apply, getting on your hands and in your eyes. Large bottles of sunscreen are also inconvenient to carry around. I believe that a single use sunscreen applicator will encourage people to use sunscreen because having a single use applicator will make applying sunscreen quick, easy, and clean. A single use applicator can also be easily carried in a pocket or purse.	
Summary Statement Development and material selection of a single use sunscreen applicator.	
Help Received My Mother helped me type my report, and my Father helped me with the drawings and putting the display board together.	