



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Kurtis D. Dwinell; Steven Ellison	Project Number J1505
Project Title Hot Hats	
Abstract Objectives/Goals Was there any differences between the types of fabrics used, and the amount of protection from the ultra violet rays that came from the sun. Methods/Materials Tested with a ultra violet sensor the amount of sun rays that pentrated through the different fabrics of baseball caps. I used a baseball cap of 100% cotton, a baseball cap of 100% wool, and a baseball cap of 100% acrylic. Results There was no mesurable difference between the different fabrics of the baseball caps, and the amount of ultra violet rays. Conclusions/Discussion A cap, or hat of any fabric will significantly block ultra violet rays from the sun.	
Summary Statement I tested fabrics to determine if there was a difference in the amount of uv rays blocked from the sun.	
Help Received My teacher, Mrs Paque, gave me instructions.	