



**CALIFORNIA STATE SCIENCE FAIR  
2007 PROJECT SUMMARY**

<b>Name(s)</b> Mary E. Smith	<b>Project Number</b> <b>J1226</b>
<b>Project Title</b> <b>Sun Protection on the Courts: A Test of Colors and Materials in Tennis Clothing</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My objective was to find out if people who play tennis consider their clothing as a means of sun protection. I also wanted to test whether the color and material made a difference in blocking out the sun's harmful ultraviolet rays. <b>Methods/Materials</b> I used two methods in this project to determine my objective: 1. survey of individuals who play tennis 2. experiment using solar paper under various colors and materials <b>Results</b> From my survey I found that people are concerned about skin cancer, but that they do not choose their tennis clothing based on protecting them from the sun. From my experiment I discovered that the dark blue shirt blocked out the most ultraviolet rays. <b>Conclusions/Discussion</b> I am under 21 years old, and I learned that most people my age are not concerned about skin cancer. After researching the disease, I discovered that skin cancer is very serious, and can be life-threatening. Sun protection all the time is very important. I found that putting on sunscreen is not enough. All of us should protect ourselves on the court by choosing sun-protective clothing.	
<b>Summary Statement</b> My project tested the best materials and colors for sun protection.	
<b>Help Received</b> Mother helped purchase supplies and gave suggestions for organizing results.	