



**CALIFORNIA STATE SCIENCE FAIR  
2010 PROJECT SUMMARY**

<b>Name(s)</b> <b>Reiley A. Akkari</b>	<b>Project Number</b> <b>J0602</b>
<b>Project Title</b> <b>What's Your Reaction?</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My objective was to find out if colored paper, as a background, affects the speed of kindergartners' identification of pictures on the paper. <b>Methods/Materials</b> I drew pictures on 4 different colored papers (white, sky blue, red and neon green). Then, I timed 70 kindergartners' reactions on each colored sheet and recorded their time. I did 3 trials on each student (4 sheets, 3 trials and 70 kindergartners) totaling 840 recordings. I used a stopwatch, a table, a graph sheet, pencil, a quiet room and 2 chairs. <b>Results</b> I found that white (my control) was the fastest in the students' reaction times. Sky blue was next fastest, then red then neon green was the slowest. <b>Conclusions/Discussion</b> My hypothesis was incorrect. The background colored paper did affect the speed of the kindergartners' reaction. I found in my research that neon green and red were the slowest because they are both distracting colors. Sky blue was not the fastest either because it is a relaxing color. White was my control, and I compared the other colors to it. Now, I know why teachers use white paper for worksheets.	
<b>Summary Statement</b> My project is about how background colored paper affects kindergartners' speed in identifying pictures.	
<b>Help Received</b> My mom helped me by getting signatures and the use of her students and classroom.	