



**CALIFORNIA STATE SCIENCE FAIR  
2006 PROJECT SUMMARY**

<b>Name(s)</b> <b>Lauren E. Demos</b>	<b>Project Number</b> <b>J0306</b>
<b>Project Title</b> <b>Memory Lane</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The objective of my project was to determine whether adults remember information better by hearing it spoken, or by hearing it sung in a familiar tune. I believe that the adults will remember the information better after hearing it sung in a familiar tune. <b>Methods/Materials</b> Six random combinations of numbers and letters, each consisting of seven numbers and seven letters, were recorded onto a CD. Three of the combinations were spoken and three were sung to the tune of "Joy to the World." Twelve people, six male and six female all between the ages of twenty and seventy-five, had each combination played for them three times. After waiting an additional one minute, each test subjects' memory was tested as they repeated back what they could remember in sequence. Then the results were carefully recorded. <b>Results</b> The results showed that, on average, the test subjects remembered the information better after hearing it spoken. The females did better than the males on the spoken segment, but the males did better than the females on the sung segment. Although the test subjects under fifty years of age scored higher on both segments, the test subjects over fifty years of age did significantly better on the spoken segment vs. the sung segment. <b>Conclusions/Discussion</b> Results indicated that the test subjects remembered the information better after hearing it spoken rather than sung. Therefore, my hypothesis was not supported.	
<b>Summary Statement</b> My project is about determining whether adults remember information better by hearing it spoken or hearing it sung in familiar tune.	
<b>Help Received</b> My father helped me navigate through Microsoft Excel when I was creating my graphs and data table. I also asked my mother for advice on the layout of my display board.	