



**CALIFORNIA STATE SCIENCE FAIR  
2007 PROJECT SUMMARY**

<b>Name(s)</b> <b>Miriam Gaistman</b>	<b>Project Number</b> <b>J0613</b>
<b>Project Title</b> <b>Aloud or Silently? That Is the...</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The objective of this project was to see if students would comprehend things better by reading aloud or by reading silently. <b>Methods/Materials</b> Fifty- six students were tested in seventh grade. The students were given two reading articles and eight true or false questions according to each of the articles. The students were asked to read both articles either silently or aloud. They were then given a test based on the reading. Room conditions were kept constant. <b>Results</b> Of the fifty- six students, twenty- nine were male, and twenty- seven were female. In general both males and females got better reading scores when reading aloud than reading silently. Males had a 1.7% better score, females had an 8% better score, and the average improvement for all students was 4.9% when reading aloud. <b>Conclusions/Discussion</b> In conclusion if students in the seventh grade read aloud they have better comprehension than if they read silently. It is a proven fact that using two senses is much more efficient in the learning process than only one sense. When students study out loud they retain more information. There could be a certain time of day when the class is told to read aloud (obviously one person at a time) and others silently, listen and then discuss the topic as a group. In preparation for an exam it is recommended that the student be in a quiet surrounding, with nothing to interrupt or interfere with their studies. They should read the information out loud, understand the information making it easier to retain.	
<b>Summary Statement</b> The main focus of my project was to see if students would comprehend reading material more easily, whether by reading aloud or by reading silently; students have different ways of comprehending material and processing it into their brain.	
<b>Help Received</b> Mrs. Armour (teacher) guided me throughout my project; Mr. Wood proof read my review of literature; Dr. Arturo Chayet for his medical output and his help on optometry for my interview and in my review of literature; Mom and Dad helped in coming up with an idea and put display board together	