



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Madeline K. Atchison	Project Number J0603
Project Title Imagine to Learn	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective is to determine which presentation is better for learning and retention: textual or graphical?</p> <p>Methods/Materials Take one group and give them five minutes to memorize twenty-five random words. Then come back a week later and test the same group but with a different twenty-five words, by telling them a vivid story which incorporates the five senses and has them create an image in their minds. Repeat this step with five other groups.</p> <p>Results The results were that Graphical learning showed a ninety-four percent improvement. Clearly outperforming textual learning.</p> <p>Conclusions/Discussion In conclusion, graphical learning did exceptionally well, outperforming textual learning. So, if you ever need to learn and retain information quickly and accurately, use the graphical learning method.</p>	
Summary Statement The project is about learning and which method, textual or graphical, is better to use.	
Help Received The people who helped me the most were the junior high students who took a series of tests for my project.	