



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> Sara S. Garcia	<b>Project Number</b> 35466
<b>Project Title</b> Smelly Memory	
<b>Abstract</b> <b>Objectives/Goals</b> My objective was to learn if smell can enhance your memory. <b>Methods/Materials</b> Materials: 14 test subjects, 20 distinct smells, 20 flashcards of everyday images Method: Show test subject one flashcard at a time for 15 seconds. While showing them the flashcard, also have them smell the scent assigned to the flashcard. After two hours have the test subject list all the flashcards they can remember. If they do not remember all 20 flashcards, have subject smell scent attached to the flashcard to see if this will trigger their memory. <b>Results</b> The results are that smell can enhance memory. Overall, the scents did trigger some of the test subjects memory. There were differences in gender. Women were able to remember more of the flashcards. Also, more of the women's memory was triggered with scent. <b>Conclusions/Discussion</b> In conclusion, my hypothesis was correct. Smell does help enhance memory.	
<b>Summary Statement</b> Can smell enhance your memory?	
<b>Help Received</b> My parents helped while testing the subjects.	