

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s)	Project Number
Meagan Yuen	J0723
Project Title	
The Nose Knows: Does Scent Enhance Work Efficiency?	
Objectives/Goals Abstract	
The objective is to determine if scent affects work efficiency.	I hypothesize that scent does affect work
Methods/Materials	
Informed consent was obtained from 33 eighth grade students multiplication sheets (2 tables through 9 tables) containing 100	
 multiplication sheets (2 tables through 9 tables) containing 100 Microsoft Excel. There were five different tests over five days 	: a control, a placebo (subjects were told
there was a scent in the air when there was not), eucalyptus sp	ermint, vanilla, and lavender. Each day,
subjects were given 60 seconds to complete as many problems number of problems that the subjects attempted to do and the	
Results	
Every manipulated test showed better scores than the control. than the placebo, contrary to research. The vanilla and lavende	
Conclusions/Discussion	2
It seems that scents do improve work efficiency. However, res chronological order, so the improvement may have do to do w	
the vanilla scent (fourth day) showed higher accuracy and a hi	
(fifth day).	
Summary Statement	lomized multiplication tests were since to
To test if scents affect or enhance work efficiency, timed, rand class of 33 eight grade geometry students in a scented room.	ionized multiplication tests were given to a
Help Received	
Parents and classmates helped to grade tests; Father created ra	
helped log scores; used classroom and students of Mrs. K. Nis	mmoto.