

## CALIFORNIA STATE SCIENCE FAIR 2003 PROJECT SUMMARY

Name(s)	Project Number
Sean M. O'Brien	J0330
	00550
Project Title	
The Effect of Caffeine on Alertness	
Abstract	
<b>Dbjectives/Goals</b> My objective was to find out what effect caffeine would have to both speed and accuracy. <b>Methods/Materials</b>	e on the results of a math speed test, relating
I administered three similar, but slightly different 64-problem 1. without caffeine, 2. after having ingested 54mg. of caffeine after having ingested another 54mg. of caffeine, totaling 108n waited 30 minutes after drinking the soda before taking tests	e (from a can of Mountain Dew soda), and 3. mg. We timed ourselves on each test and
<b>Results</b> The results show that the intake of caffeine helped the particities time it took to complete the tests was faster, and the number of <b>Conclusions/Discussion</b>	of errors were lower.
My conclusion is that caffeine improves alertness and in mod perform better on tests.	lerate amounts can actuary help students
Summary Statement My project is about how caffeine might effect math test perfo	ormance
The project is about now carrente might effect main test period	ormanoo.
Ielp Received	
Mother helped conduct experiments, Mrs. Biggers provided	math tests for experiments.