

CALIFORNIA STATE SCIENCE FAIR 2003 PROJECT SUMMARY

Name(s)	Project Number	
Roy B. Flake	J0711	
roject Title What Is the Optimum Power of a Solenoid?		
Abstract		
 Dbjectives/Goals The objective is to find the optimum solenoid that will be more power ordinary solenoid. Iethods/Materials I took 10 feet each trial of the solenoid then put it into the ramp and te increased the power of the solenoid. 	ested it to see if it decreased or	
Materials- solenoids,pinballs,wood,plexy glass,wire(hot,common,grou Results The optimum power was trial #13. 130 feet was removed from the sol Conclusions/Discussion The trials went very smooth . Trials 15-23 kept on going up and down burned out.	enoid.	
Summary Statement		
My project is to amplify a solenoid so that it is strong and can last long	g.	
Help Received My Dad guided me when I built the ramp.		