CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY



Name(s)		Project Number
Haley A. Yolken		
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		22152
Project Title		
How Does Accelera	tion Affect Force?	C D
	Abstract	
Objectives/Goals	t Newtons second law of physics and how	according attacts force. I belive
that the more acceleration the	e object requires, the more force it will pre-	acceleration affects force. Then we
Methods/Materials		$\langle \setminus \bigcirc$
my indentations of 6 differant 3 grops, Slow, Medium and f	2 hands in clay, which was in a 14" x 4" t moves to the depths of my control group ast acceleration, which i then used to find ng the move, so i could draw some conclu	. The howes where seperated into the approximate force andt
Results	\sim	N
depths of the clay and the app force, only added about 2-10 about 40-60lbs. to my hands the more acceleration you ha Conclusions/Discussion	ation the object requires, the more force it proximate amounts of force. The slow no lbs. to the weight on my hands while the f while doing my moves. By studying hese ve the more force.	ves only produced a little bit of fast moves had more force, added e results, i drew the conclution that
Doing this science fair project	et taught me arot about Physics, since i ha about how newtons second law of physics	ive never explored the concept of
Summary Statement I am testing Newtons second	law of physics to find how acceleraion aff	fects force.
\longrightarrow		
Help Received Parents helped with supplys,	physics teacher at the high school and gy	mnastics coach helped with ideas.