

CALIFORNIA STATE SCIENCE FAIR 2008 PROJECT SUMMARY

	Project Number
Alexandra R. Jernigan	J0817
Project Title	
The Power of the "Magic Rock"	
Objectives/Cools Abstract	
The objective of my project was to find the exact ratio of a one grods in increasing increments. By testing the magnet to my smal attracted it or not, until I found my average ratio. By finding the not a magnet would attract the metal. My goal for the future is to prove my ratio to be true with different types of magnets. Methods/Materials a centimeter ruler * magnets with masses starting with about 1g up to 120g. * metal rods (cut) starting at 7/10cm to 10cm going up in incre * Extra Metal Rods; about 4 feet altogether * flat surface that is not metal (plastic or wood is preferred) * mass scale Results All in all, after testing for the ratio of mass of magnet to the mass magnet can pull, on average, 8.70 times its own mass. Conclusions/Discussion In conclusion, I thought that it would take more magnetic mass it. It turned out that I under estimated the power of the "Magic F 8.70 times its own mass.	gram magnet to the mass of various metal llest rod, I tested each time if the magnet ratio, I could use it to predict whether or o make my results more accurate and ments of 7/10 cm. ss of the metal rod; it turned out that a than mass of the metal in order to attract Rock", it could actually pull, on average,