

CALIFORNIA STATE SCIENCE FAIR 2008 PROJECT SUMMARY

Name(s)	Project Number
Brian W. Pinner	J1232
	JIZJZ
Project Title	
Magnets: Hot or Cold?	
Abstract	
Objectives/Goals My objective is to discover the effects (if any) of temperature on t	he strength of a magnet.
Methods/Materials	
My method for testing this was to place a pure magnet at a variety of temperature zones for 1 hour and then sliding it towards a metal indicator to determine the magnetic strength by the distance the indicator	
jumped. My materials included a pure neodymium magnet, a magnetism meter created with a ruler, pvc	
pipe, and piece of framing on a wooden board together, a digital laser thermometer, and a metal indicator. Results	
My results showed that temperature can affect magnets in both positive and negative ways. If I heated up	
a magnet then it got weaker but if I cooled a magnet then the magnet's strength increased.	
Conclusions/Discussion I conclude that temperature does have an effect on magnets because	se it affects the tiny magnets fouund
inside its electrons.	se it affects the tiny magnets fourne
Summary Statement	
My project looks at the effects of temperature on the strength of a	magnet.
Help Dessived	
Help Received Mr. Miles Stoudenmire helped me by answeing questions and my	father halped me with my magnetism
meter.	ration nerped me with my magnetism