



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

<b>Name(s)</b> Taran F. Lynn	<b>Project Number</b>  31763
<b>Project Title</b> Magnetic Strength vs. Voltage	
<b>Objectives/Goals</b> My objective is to determine the relationship between magnetic strength and voltage. <b>Abstract</b> <b>Methods/Materials</b> My materials included: 10 equal-sized magnets, a voltmeter, insulated copper wire with clip ends, and a plastic tube attached to a gallon water container. I set my experiment so that the plastic tube was wrapped with the copper wire which was connected to the voltmeter. I dropped the magnets through the tube and noted the voltage indicated. I put different numbers of magnets together to change the magnetic strength. <b>Results</b> As the number of magnets increased the voltage increased. <b>Conclusions/Discussion</b> As you increase the magnetic strength the voltage increases.	
<b>Summary Statement</b> This project proves the direct relationship between magnetic strength and voltage induced.	
<b>Help Received</b> Dad helped type, brother got magnets, and science teachers gave advice.	