



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Taran F. Lynn	Project Number J0914
Project Title Magnetic Strength vs. Voltage	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective is to determine the relationship between magnetic strength and voltage.</p> <p>Methods/Materials 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.</p> <p>Results As the number of magnets increased the voltage increased.</p> <p>Conclusions/Discussion As you increase the magnetic strength the voltage increases.</p>	
Summary Statement This project proves the direct relationship between magnetic strength and voltage induced.	
Help Received Dad helped type, brother got magnets, and science teachers gave advice.	