



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Taran F. Lynn	Project Number J0914
Project Title Magnetic Strength vs. Voltage	
Abstract Objectives/Goals My objective is to determine the relationship between magnetic strength and voltage. 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. Results As the number of magnets increased the voltage increased. Conclusions/Discussion As you increase the magnetic strength the voltage increases.	
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.	