



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Rachel M. Nettles	Project Number J1521
Project Title The Effect of EMFs on Plant Growth	
Abstract Objectives/Goals This experiment attempted to determine the effect of electromagnetic fields on plant growth. Methods/Materials The initial subjects of this experiment were twenty spearmint plants. Ten of the plants were placed in two wire wrapped cardboard tubes with an EMF (electromagnetic field) inside of it. The other ten plants were placed in the other two cardboard tubes with no EMF inside of it. At the beginning and the end of this experiment, all of the plants were weighed and each stem was measured. Results The plants inside of the field had a positive 7% difference in the growth in the amount of four weeks. Conclusions/Discussion The fact that the plants inside of the field had a positive 7% difference in the growth in the amount of four weeks shows that the electromagnetic field had an effect on the plant growth.	
Summary Statement This experiment attempted to determine the effect of electromagnetic fields on plants.	
Help Received Mother borrowed equipment, Mr. Huyett helped with designing of the project	