



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Claire G. Dedrick	Project Number J1006
Project Title Measuring Human Horsepower	
Abstract Objectives/Goals My project was to measure the amount of horsepower an average human could generate. I measured the amount they could sustain, and also the greatest they could generate. Methods/Materials To do this experiment I timed seven people walking and running up a set of stairs. Then I used their weight, time and the height of the staircase to calculate their horsepower. Results I found out that the most horsepower a human generated when running was 0.89 and the least was 0.32. The most a person sustained was 0.36 and the least was 0.17. Conclusions/Discussion From my experiment I saw that humans can generate a measurable amount of horsepower. They don't have nearly the power of machines, but the amount can be measured. My results showed that my experiment worked and that my problem could be tested.	
Summary Statement I measured the maximum amount of horsepower that humans could generate and the amount they could sustain.	
Help Received My dad helped design the graph and proofread the report.	