



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Alexis R. Sadakane	Project Number J1720
Project Title Too Close For Comfort	
Abstract Objectives/Goals Many people are not aware of the existence of personal space. The results from this experiment will educate people on the need to recognize individual spatial requirements. Methods/Materials Materials: 1. Measuring tape 2. Digital sphygmomanometer 3. Subject 4. Male and Female Experimenter 5. Log Method: 1. I will take subjects initial pulse rate to establish their normal rate. 2. I will have the subject stand on one edge of the measuring tape (leaving the cuff on). 3. I will have an experimenter of the same or opposite sex approach the subject and stop when the subject indicates (by saying stop) that they are feeling uncomfortable. 4. When the subject says stop I will take the subjects pulse rate. 5. I will record how far the experimenter was from the subject when they had them stop. Results 64% of the time when males approached females their pulse rate rose, it lowered 27% of the time and stayed the same 9% of the time. When males approached males 54% of the time their pulse rate rose, 38% of the time it lowered and the remaining 8% it remained the same. When a female approached a male the pulse rate did not rise. 78% of the time it lowered and the remaining 22% it showed no change. When a female approached another female the pulse rate never rose, it lowered 83% of the time and remained the same 17% of the time. Conclusions/Discussion In conclusion my hypothesis is correct. Towards men women require larger spaces and towards other women they need smaller spaces. Males approaching males need larger spaces and when approaching females they demand smaller spaces. I believe that both males and females need smaller spaces when approaching females because they are less intimidating than males. There are many variables that affect proxemic research. The age, appearance and ethnicity of the experimenter as well as location could affect the outcome of a proxemic experiment. The need for a	
Summary Statement The purpose of this experiment is to identify and measure proxemic behavior.	
Help Received I would like to thank my mom for helping me with this experiment. She helped me purchase my items, stayed at the beach for six hours while I did my primary testing and videotaped my secondary testing. My grandma and grandpa let me borrow their sphygmomanometer. My aunt and uncle were the	