



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Benjamin R. Church	Project Number J0305
Project Title Lefties Do It Right	
Objectives/Goals A reason I am doing this experiment is because left handed people have learned to adapt to right handed products, writing styles, and even their way of life. Most left handed people can do tasks with both sides, but right handed people can only do with the right hand because they didn't have to adapt to left handed appliances.	
Abstract Methods/Materials 15 Left handed students, 15 Right handed students. One Soccer Ball and a quarter. A slingshot, plastic tower and the rabbit. A camera with a view finder. A small box with coin. A computer to Graph the findings. Separate the left and right handed students into two lines. 1. Have all the students kick the soccer ball and record which foot they use on your graph. 2. Have the students step on the quarter and record which foot they use. Next to eye preference do the following.. 1. Have the entire group take a picture and record which eye they use. 2. Have the students use the slingshot figure to hit the rabbit and record which eye they leave open. To test ear preference do the following.. 1. Place the coin in the small box and have the student put one of their ears next to the box and record which ear they put up to the box. 2. The students are now to put an ear next to the wall and ask the students if they can hear a conversation taking place and record which ear they use. With all of your data recorded come to a conclusion.	
Results My data shows that my hypothesis was correct about the ambidexterity of the lefties. My three graphs show the results of the foot, eye, and ear dominance tilted to the left side on lefties and to the right side on the right handed.	
Conclusions/Discussion All in all my experiment was fun, as well as educational. I learned about left handed people and their achievements and struggles through history. My hypothesis was correct because lefties use left and right sided preference. Right handed people are mostly right sided because they are only use to using that side. I think that the lefties use both sides because they write with their left hands and probably do other activities with their right hand, foot ect. because the activity is made for a right handed person. Another reason, like I have said before, that most appliances are made for the right handed people, so lefties have to use both sides for necessity.	
Summary Statement Lefties do it Right in ambidexterity, art, science and sports.	
Help Received Students, teacher and parents	