



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Jordan Hallstrom; Chase Jones	Project Number J0314
Project Title Righty Tightly, Lefty Loosey	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals Our goal was to find out if right-handed children wrote more legibly than left-handed children.</p> <p>Methods/Materials We tested a total of 292 students aged 8-11 years using a test paragraph and survey form. 23 students were disqualified. Of the remaining 269 students, 30 were left-handed. We matched the 30 left-handed students with grade/age/sex appropriate randomly selected right-handed students. The 60 survey forms were then given to a 3rd grade Language Arts teacher to be evaluated using the "Writing Report Card."</p> <p>Results 30 test subjects were left-handed, which figured out to approximately 10% of the total test population. Of the 30 left-handed subjects, 60% or 18 subjects were male, and 40% or 12 were female. Left-handers received 3 "Illegible", 8 "Poor", 14 "Okay", and 5 "Good" ratings. The average point rating for right-handers was 2.97, while left-handers point average was 2.7.</p> <p>Conclusions/Discussion Through our experiment we found that right-handed subjects had writing which was more legible than left-handed subjects. We also noted that of the 60 qualifying subjects, the three "Illegible" ratings belonged to three 10-year-old, left-handed males. The only "Excellent" rating belonged to an eight-year-old female.</p>	
Summary Statement Our project is about writing legibility and its relationship to left- and right-handedness.	
Help Received Mrs. Hernandez helped us by evaluating the writing of the 60 test subjects. Our moms helped us with typing and board set-up.	