

CALIFORNIA STATE SCIENCE FAIR**2001 PROJECT SUMMARY****Your Name** (List all student names if multiple authors.)**Breanne Cross; Caitlin O'Brien****Science Fair Use Only****J0207****Project Title** (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9)**Thinky and the Brain****Division**X **Junior (6-8)** _ **Senior (9-12)****Preferred Category** (See page 5 for descriptions.)**2 - Behavioral Sciences****Abstract** (Include Objective, Methods, Results, Conclusion. See samples on page 14.)

Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.

For our science project, we were testing to see if there was a correlation between brain hemisphere dominance and learning style preference(audio, visual, or kinesthetic). Because of the different brain hemisphere functions, we hypothesized that kinesthetic and visual learners would be right-brained, whereas the audio learners would be left-brained. To test this, we obtained a brain hemisphere dominance test and a learning style indicator test from a book and the internet. After administering both tests to forty-five seventh and eighth-graders, we graded the tests, compared them, and recorded the data. We discovered that our hypothesis was partly correct, finding that half of those left-brained were kinesthetic learners, a third were visual learners, and the rest were divided between audio and audio/visual learners. Four fifths of the right-brained subjects were kinesthetic learners; the rest were split between visual and audio learners. Two fifths of those left/right-brained were kinesthetic learners, two fifths visual, and one fifth audio. In conclusion, most of those right-brained were kinesthetic; whereas left-brained subjects showed equal preference for kinesthetic and visual learning.

Summary Statement (In one sentence, state what your project is about.)

We tested whether brain hemisphere dominance is related to learning style.

Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.

Mom edited research.