**Science Fair Project Thoughts for Charles Forrest (8th Grade)  
Using a Video Program for Reaction Testing**Tom Browder <tom.browder@gmail.com>, June 2015

**Problem**

Much current technology requires prolonged interaction between humans and a computer. This study will investigate various parameters to see if there are significant differences between left- and right-handed persons in average human reaction times using conventional computer keyboards to respond to on-screen stimuli. Some other human parameters to be studied may include type of handedness (hand writing upright or slanted), age, sex, and weight.

**Methodology**

Develop a simple video program (game) which presents a random sequence of characters on the screen at random locations. The user's goal is to press the key matching the character. The program is started with a unique ID number identifying the test person.

**Null hypotheses**

There is no significant difference in reaction times between handedness for each parameter to be studied.