



**CALIFORNIA STATE SCIENCE FAIR  
2004 PROJECT SUMMARY**

<b>Name(s)</b> Catherine S. Boljen	<b>Project Number</b> <b>J0303</b>
<b>Project Title</b> Catch Me If You Can	
<b>Abstract</b> <b>Objectives/Goals</b> To determine if elementary aged boys or girls have better eye-hand reflexes. <b>Methods/Materials</b> I would use a ruler marked with milliseconds per 1.27cm (half inch), drop it, and ask my participant to catch the ruler with their index finger and their thumb. They pinched their thumb and finger together when I drop it. I would do this five times, then take an average of their 5 scores. I tested 70 people, equal boys and girls. <b>Results</b> In my hypothesis, I thought elementary aged females would have better eye-hand reflexes. My results showed that boys did slightly better than the girls. <b>Conclusions/Discussion</b> I found that boys had quicker eye-hand reflexes than girls. An interesting conclusion also showed that people who played sports were the quickest.  To continue my study, I want to test more people, and try different controlled situations like: blindfold the students and just tel	
<b>Summary Statement</b> Is there a difference between eye-hand reflexes among elementary aged boys and girls	
<b>Help Received</b> Dad explained the formula: $\text{time} = \frac{\text{distance} \times 2}{\text{gravity}}$ . My dad and sister helped cut out materials for the board.	