



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

<b>Name(s)</b> <b>Dylan Lynch</b>	<b>Project Number</b> <b>J0415</b>
<b>Project Title</b> <b>The Space between Two People When They Meet</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My project was to determine how large is the space between two middle school girls, two middle school boys, and a middle school boy and girl, when they meet or start engaging in conversation. I have always wondered if people of the same or opposite gender stand close together or further apart when greeting one another. I noticed that the distance varies and I wanted to know by how much and why. <b>Methods/Materials</b> The space between two middle school students was measured with a ruler when they greeted each other. They were not told in advance so the measurement would not be a fake one in which they might have purposely stood far apart or close together to change the result. <b>Results</b> From my personal observations before this experiment, I believed that the space between two middle school girls will be the closest, then two boys a little further, and a boy and girl will be the furthest apart. As part of the background for my project I learned that hormones may have an affect on the decision to stand close together or further apart because they cause emotions and interactions between middle school students to vary and is portrayed when the comfort level rises or falls. My hypothesis was proven incorrect because the results showed that girls and boys stood the closest together not girls and girls. Then girls and girls not boys and boys stood a little closer, and finally boys and boys stood furthest from each other. <b>Conclusions/Discussion</b> While collecting my data, I noticed that the results were specific to an individual and their own personal comfort level no matter if they were a girl or a boy.	
<b>Summary Statement</b> What is the space between two middle school students when they meet.	
<b>Help Received</b> My mother reviewed my report for grammar.	