



**CALIFORNIA STATE SCIENCE FAIR  
2010 PROJECT SUMMARY**

<b>Name(s)</b> Reid C. Winchester	<b>Project Number</b> <b>J2230</b>
<b>Project Title</b> What Type of Glue Is the Strongest?	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The objective of this project was to determine which brand of glue was the strongest: Gorilla Glue, Liquid Nails, Elmer's White Glue or Elmer's Wood Glue.</p> <p><b>Methods/Materials</b> The four different types of glue were each tested five times by gluing pieces of wood together and pouring water into a bucket (weight) that stressed the glue. Each glue had twenty-four hours to dry.</p> <p><b>Results</b> I thought that Gorilla Glue would do the best. However, Elmer's Wood Glue did the best, Elmer's White Glue was second, Gorilla Glue was third and Liquid Nails was last.</p> <p><b>Conclusions/Discussion</b> If this project were to be repeated, I would test more glues. I would also use more animal-based glues, rather than chemical-based glues.</p>	
<b>Summary Statement</b> My project was about testing different glues to find out which one is could withstand the most weight stress.	
<b>Help Received</b> Father helped with the board layout.	