



**CALIFORNIA STATE SCIENCE FAIR  
2005 PROJECT SUMMARY**

<b>Name(s)</b> <b>Cody Vick</b>	<b>Project Number</b> <b>J1823</b>
<b>Project Title</b> <b>Comparing the Strength of Laminated Wood to Solid Wood</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> I am want to compare laminated wood with solid wood. This will give me a better understanding of what type of wood to use in contruction. I will be comparing the strengths of the wood.</p> <p><b>Methods/Materials</b> I will use douglas fir, oak, and pine. I will have a sample of laminated wood for each type of wood. I cut wood into strips and glued them together. Let the wood sit for a day. After laminating is complete for types of wood I will test strength. I placed laminated wood into a 20 pound press and record results. I then placed solid wood into press and compared results. Recorded for resistance in inches.</p> <p><b>Results</b> Solid douglas fir proved to be the strongest wood. Weakest was pine. Oak showed no diference between laminated and solid. Same strengths. Solid and laminated oak broke in strips. Other woods broke in half.</p> <p><b>Conclusions/Discussion</b> People who are building houses should use solid douglas fir. Oak is also a good wood to use. Using these woods would make homes and cabinets stronger.</p>	
<b>Summary Statement</b> Comparing solid and laminated wood to determine strength for use in construction.	
<b>Help Received</b> dad helped with press and display of board	