



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Julie L. Whirlow	Project Number 22192
Project Title Which Wood Sealer Repels Water Best?	
Objectives/Goals I want to see out of oil based primor, latex paint, latex stain, and varnish, which one repeled the most water. Abstract Methods/Materials I used the different types of paint on the same board cut into different pieces. I painted ten peices for each wood sealer. I recorded their weights using a triple beam balance scale. I then soaked them in water for four hours. I weighed them again and found how much each board had gained. Results In my results I found that the oil based primor repeled the most water. The varnish repeled the second most water. Then the latex stain, then the latex paint. Conclusions/Discussion My hypothesis was incorrect. If you want to protect your wood from water damage you should use an oil based primor or paint. The one thing that I would have done different is that I would try to find a digital readout scale. Even though the triple beam balance scale worked fine it was hard to find the correct weight easily, and it was time consuming, tidius work.	
Summary Statement My project is about different wood sealers, and how well they repel water.	
Help Received My dad helped me cut the wood, Ms. Jones leant me her triple beam balance scale.	