

CALIFORNIA STATE SCIENCE FAIR

2001 PROJECT SUMMARY



Your Name (List all student names if multiple authors.)

Lindsay M. Evans

Science Fair Use Only

J1007

Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9)

Which "Wood" It Be?

Division

J Junior (6-8) J Senior (9-12)

Preferred Category (See page 5 for descriptions.)

10 - Materials Science

Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.)

Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.

Objective: My project was to determine what kind of wood would be the most suitable wood to build an outdoor deck. My hypothesis was that oak would be the strongest and most suitable wood for an outdoor deck.

Materials and Methods: Five pieces of each wood which included balsa, oak and pine was used to do the experiment. I also used a 10 inch compound miter saw, a ruler, refrigerator, freezer (or snow), rain, water, bucket, conventional oven, sunlight, and a wood burning stove.

Results: My results proved me wrong. I thought that oak was going to be the best wood because I had heard and read so much about its durability, how pretty it was, and how strong it was. It turned out that pine was the better wood out of the three woods tested for an outdoor deck. My hypothesis was incorrect.

Conclusion: I found that you would need a lot more time to see major changes in the wood such as change in color, cracks or if it warped. I think you should have a year or two to leave the wood outside to see the most changes in the different types of wood.

Summary Statement (In one sentence, state what your project is about.)

My project is about what type of wood, out of balsa, oak and pine, is the best material to build an outdoor deck.

Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.

Grandfather helped cut the wood, mother helped in putting the wood out in snow and rain while I was at school.