

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

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Name(s)	Project Number
Jana Soucar	
	34487
Project Title	
The Fabric Truth	
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Abstract	
Objectives/Goals	
The objective of my experiment is find which fabric is the most effective insulate experiment was that wool would insulate the best, due to its thickness and napped to the set of the set	tor. The supposition of this
Methods/Materials	, du state.
Four groups of ten cups were filled with one cup of hot water and set outside of 5:00PM - 9:00PM. Each group was covered with a different fabric: one group	cold balcony from
5:00PM - 9:00PM. Each group was covered with a different fabric; one group	with wool, one group with
flannel, one group with cotton, and one group uncovered Each cup's temperature was checked, and after exactly one hour each cup was	checked again. The group
with the least average decrease in temperature is the most effective insulator.	checked again. The group
Results	
The group of cups covered in wool was the most effective insulator, while the u	uncovered group was the
least.	
Conclusions/Discussion The conclusion is that the thickest, most tightly woven, and napper materials in	sulate the best because
fabric in this state traps more air and body heat, and stops an from moving in a	nd out of the material,
which causes cold.	,
Summary Statement	
Determine which fabric type is the most effective temperature insulator	
Help Received	
Both parents helped with board set up	
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