

## CALIFORNIA STATE SCIENCE FAIR 2017 PROJECT SUMMARY

Name(s)	Project Number
Julia Magnone	J0613
Project Title	I
Which Homemade Fire Retardant Wo	rks Best on Cotton?
Abstract	
Dbjectives/Goals	
The objective of this study is to determine which homema <b>/lethods/Materials</b>	ade fire retardant works the best on cotton.
3 yards of cotton, Lighter, Safety glasses, gloves, spoons, chloride, Ammonium phosphate, Sodium silicate, and a s	
Results Several pieces of cotton were soaked in various homemac	le fire retardants and set out to dry. Each piece of
cotton was burned and timed. 2 trials were repeated for ea and some had large differences.	
Conclusions/Discussion Two trials with all of the cotton samples resulted in intere	esting regults. Three out of the seven methods
protected cotton. All of The other methods burned for mo	
ummary Statement	
I tested homemade fire retardants, and did two trials, by t results.	reating cotton with the retardants, to find my
Ielp Received	
I came up with the project idea on my own and my father performed the tests on my own. I then had my science tea	