



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> <b>Margaret "Maggie" O'Rourke</b>	<b>Project Number</b> <b>J1914</b>
<b>Project Title</b> <b>The Mystery of Moisturizer</b>	
<div><div><b>Objectives/Goals</b> The objective was to determine which moisturizing product or lotion worked best to keep human skin moist.</div><div><b>Methods/Materials</b> The hypothesis of this experiment was the Humectant was going to moisturize the best because of the mineral oil and personal use. The hypothesis of this experiment was proven to be incorrect.</div><div><b>Results</b> The hypothesis of this experiment was proven to be incorrect. In conclusion, the Occlusive agent moisturized the best. The Occlusive agent was the petroleum jelly. A</div><div><b>Conclusions/Discussion</b> Even though my testing results showed my original hypothesis was incorrect, I learned much about how lotions and products keep skin moist. If one things could be changed this experiment, I wouldn't use petroleum jelly as the occlusive agent because it was hard to spread it. The petroleum jelly had to double boil it on the stove in order to spread it thoroughly.</div></div>	
<b>Summary Statement</b> Testing which moisturizing products and/or lotions work best on human skin.	
<b>Help Received</b> Chris Donohoe, my teachers at Holy Cross School, and my parents	