



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> <b>Isabella Bartoughian-Woodruff</b>	<b>Project Number</b> <b>J2003</b>
<b>Project Title</b> <b>Pucker Up</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> If you use Carmex lip balm SPF 15, then you will have better UV protection over Baby Lips, EOS and Neutrogena.</p> <p><b>Methods/Materials</b> After purchasing 5,000 UV beads and stringing them up in 100 bead strings, you apply lip balm on each bead. There will be fifty strings of 100 beads divided into five groups: Control group, Neutrogena, Baby Lips, EOS and Carmex. Each string will be placed on a separate individual plate and independently placed outside to record how long it would take for them to change color. A stopwatch was used to record the time the beads started to change color. This was repeated 50 times, to ensure the most accurate results.</p> <p><b>Results</b> Carmex was the best lip balm with the highest average time in the experiment, 24.756 seconds. EOS had the worst results with 8.292 seconds. Neutrogena was not far behind Carmex at 21.086.</p> <p><b>Conclusions/Discussion</b> My hypothesis was strengthened because I predicted that Carmex would be the best protection for your lips. Even though Carmex had the highest average in seconds of UV ray exposure the time was not very good. EOS had the worst protection. This was very surprising because it is a very popular brand. SPF 15 is too little of protection for the harmful rays.</p>	
<b>Summary Statement</b> Testing 4 different lip balms with SPF 15 to see which one works the best.	
<b>Help Received</b>	