



**CALIFORNIA STATE SCIENCE FAIR  
2016 PROJECT SUMMARY**

<b>Name(s)</b> Sophia Aravanis; Jordan Stewart	<b>Project Number</b>  36396
<b>Project Title</b> Taffy Tactics	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The objective of this study is to determine whether the amount of sugar put into taffy affects its flexibility.</p> <p><b>Methods/Materials</b> Made three batches of taffy and individually tested the flexibility along a meter stick by taking each end and recording its breaking point.</p> <p><b>Results</b> Out of all the batches, repeated trials with each batch concluded that the batch with more sugar had a farther breaking point, and the one with less sugar breaking sooner. Leaving a conclusion that the more sugar put into taffy, the farther it will stretch.</p> <p><b>Conclusions/Discussion</b> Testing taffy with different variations of sugar put into them revealed that there was a difference in flexibility, which is the more sugar inserted into taffy, the more "stretchy" and flexible it will be. It is concluded that the amount of sugar in taffy does make a difference in flexibility.</p>	
<b>Summary Statement</b> As a result of testing the amount of sugar used to create taffy, we concluded that with more sugar, the taffy is more dense, and the less sugar inserted, the thinner.	
<b>Help Received</b> The taffy and the experiment was tested, built, and created by my partner and I.	