



**CALIFORNIA STATE SCIENCE FAIR  
2017 PROJECT SUMMARY**

<b>Name(s)</b> <b>Princesa Zavaleta</b>	<b>Project Number</b> <b>J2223</b>
<b>Project Title</b> <b>Sunscreen Pollution</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The objective of my project was to see how 0.001 grams of sunscreen mixed in with 1000 milliliters of water affects the pace of a Sea Urchin. <b>Methods/Materials</b> I used pipe cleaners, beakers, sunscreen (SPF-30), water, buckets, cling wrap, rubber bands, sharpie marker, magnetic mixer and timer/stopwatch. Every 15 seconds I would mark where the Sea Urchin was last at in the bucket and at the end I would add up all the seconds. <b>Results</b> I did several trials to help determine the accurate DATA. There was a significant difference. the sea urchin moved 20% slower in sunscreen pollution than it usually does. Therefor, my hypothesis was partially supported because I hypothesized that the sea urchin was going to move 15% slower and it moved 20% slower. <b>Conclusions/Discussion</b> I feel like my project was life changing. Even though these animals are not common but they're living organisms just like us and if we want to help our world than we need to start being responsible and start picking up after ourselves. we need to make sure what were wearing is water proof. If i were to redo this project I would add the distances of the distance marks instead of adding the seconds. For further information I would like to test different concentrations of suncreen and different amounts.	
<b>Summary Statement</b> My project was to see how sunscreen pollution affects the pace of a Sea Urchin.	
<b>Help Received</b> I was provided with my supplies a the Cabrillo Marine Aquarium and I was helped by Andres Carillo and Jenine Rodriguez.	