



CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

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Project Title It's Time for Waste Loss	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Objectives/Goals Is a 2 week waste loss challenge an effective way to promote waste reduction among my family and friends?</p> <p>Methods/Materials #Power Point presentation with statistics and facts to motivate participants #Project Pamphlets with details of challenge #Items for zero waste kit #Materials for compost box #Google Survey #Brea Landfill tour arrangement, waivers and photo release forms #Reminder app</p> <p>Results A majority of the respondents were female (84%), and were between the ages of 18-65yr (83%). While half of the participants were motivated to start the challenge the other felt they were already applying some of the 5 R#s. The most applied of the 5 R#s was Recycle and Rot was the least. Among the weekend challenges, the zero waste kit was made by a majority of the respondents and while most would have liked to make a backyard compost or pit, were not ready at the moment to make one. Although it was difficult for working individuals to attend the landfill tour, having a video of the tour and sharing details was a learning and eye opening experience for 67% of the respondents. The most effective part of the challenge was making a zero waste kit and surprisingly after 2 weeks of trash trolling, a majority of the participants stated that they would miss the challenge and found it very motivating. One week after the challenge ended while 29% felt they were already being applying some of the 5 R#s the majority (57%) were amazed at themselves for making continued mindful choices.</p> <p>Conclusions/Discussion I concluded that the 2 week #WasteLoss# challenge was successful in promoting mindful choices when it comes to waste reduction one individual at a time. To promote the least applied R which is Rot I would like to setup a live demonstration with the group or individually at their homes to start a backyard compost. The Landfill tour was difficult due to staff shortages for the OC waste and recycling center, video is sufficient. I would like to make creative and personalized zero waste kits in the future as it was such an effective part of my challenge.</p> </div> <div style="width: 50%; text-align: center;"> <p>Abstract</p> </div> </div>	
Summary Statement Post my two week waste loss challenge, my participants are on track to be mindful consumers and actively practice the 5 R's of zero waste living	
Help Received Staff of OC waste and recycling helped me arrange for a Landfill tour of the Brea Olinda Landfill in Brea, California	