



**CALIFORNIA SCIENCE & ENGINEERING FAIR  
2019 PROJECT SUMMARY**

<b>Name(s)</b> <b>Milan Pete</b>	<b>Project Number</b> <b>J1126</b>
<b>Project Title</b> <b>How to Re-purpose Plastic</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives</b> Plastic pollution is a major problem all around the world. I constantly ask what we could be doing so far as dumping our plastic waste in dumpsters. My objective for this project is to re-purpose plastic waste into usable objects rather than having it enter the landfill.</p> <p><b>Methods</b> I shredded various bottles of HDPE(#2 plastic),melted it down at 350 degrees in an oven, placed the molten plastic into a mold and let set.</p> <p><b>Results</b> By using the proper materials (HDPE plastic) and melting them under the proper conditions, I successfully re-purposed the plastic into a bowl.</p> <p><b>Conclusions</b> With using the proper procedures, recyclable plastics can be re-purposed/reused, preventing them from entering the waste stream.</p>	
<b>Summary Statement</b> I created reusable bowls to educate the public on how to reduce plastic pollution.	
<b>Help Received</b> Manuel Rodriguez(my dad), Dionne Jackson(my mom)	