

CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

Name(s)	Project Number
Claire Boles	J1105
Project Title	I
Decomposing Drinking Straws	
Objectives	
 The objective is to determine what type of straw decomposes the fastest in man Methods Three straws each of: wheat, paper, cornstarch, plastic, plastic-less with a bend, compost, thermometer, gram scale. Measure straws in gram then put in manure compost. At weekly intervals, remostraws, and returned to compost for eight weeks. 	pasta. Bucket, manure based
 Results At the end of 8 weeks, all straws were at different stages of decomposition with and pasta straws which had completely decomposed. At the end, the three corns grams. The plastic straws weighed 4.46 grams. The wheat straws weighed a total ess straws with a bendable top weighed a total of 2.75 grams. Conclusions I found that the pasta straw is the best alternative to plastic straws because they 	starch straws weighed 2.60 al of 2.41 grams. The plastic-
Summary Statement I decomposed six different types of straws in manure based compost to determine gative impact on our landfills.	ne what straw has the least
Help Received	
I designed the project by myself. Katie Boles assisted with editing and Luke Ka based compost and gave additional information on the decomposing process	mpmann provided manure