

## CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
Josiah D. Rowland	
	/ \
	38327
Project Title	
How Different Foods Affect the Growth of Worms and the Soil They	
Live In	
Abstract	
Objectives/Goals The objective of this study is to measure the length of the worms, reproduction	mass and the nutrients in
the soil.	and the nutrents in
Methods/Materials Worms, soil, ruler, soil test kit, four food groups. Let several batches of the four	stood groups decompose
for two months.	
Results  At the end of the two months the fruit proved to be the most effective in the len	gth, reproduction, and
mass of the worms and nutrient quality of the soil.  Conclusions/Discussion	
The worms that decomposed the fruit grew larger than the others fed a different	diet, reproduced in greater
The worms that decomposed the fruit grew larger than the others fed a different numbers while also increasing in mass outweighing the other worms. The soil refour test bucket, except for the Potential hydrogen in bucket two which contains	nutrients increased in all
four test bucket, except for the Potential hydrogen in lucket two which contains having a larger mass had the most reproduction thus concluding yorms in great	er numbers and having a
larger mass can consume more organic material than smaller numbers and worms with less mass.	
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Summary Statement  I wanted to show what type of organic material worms prefer the most.	
I wanted sho wife type of organic material worms profes the most	
Help Received	
I built and performed the experiments myself. I did not receive any help.	