



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

Name(s) Mellany Henriques	Project Number J1509
Project Title The Five Second Rule: Fact or Fiction?	
<p style="text-align: center;">Abstract</p> <p>Objectives The goal was to see if a substance would be dirtier if it stayed on the ground longer.</p> <p>Methods Bananas, saltine crackers, petri dishes, swabs, and a heat lamp. I put a banana on the ground for five seconds and another banana on the ground for 20 seconds. I swabbed both bananas and repeated this process with the Saltine crackers. I then put them under a heat lamp for two weeks.</p> <p>Results The test subjects that were on the ground for only 5 seconds had less bacterial colonies grown than the test subjects that were on the ground for 20 seconds.</p> <p>Conclusions After 2 weeks of watching the growing Petri dishes I have found my conclusion. The Petri dishes that contained the 5 second test subjects had less bacterial colonies growing than the 20 second test subjects.</p>	
Summary Statement I showed that food that is on the ground for 5 seconds has less germs than food that is on the ground for 20 seconds.	
Help Received My teacher explained that there are germs everywhere in the world and that germs attach to food instantly.	