



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

Name(s) Tyler Simerson	Project Number J1518
Project Title Use and Reuse, But Is Your Straw Clean?	
<p style="text-align: center;">Abstract</p> <p>Objectives My object was to determine if there was microbial growth in a stainless steel straw after it was used and washed correctly. My goal was that if proper washing instructions were used the straws would stay clean of any bacteria.</p> <p>Methods After determining an effective cleaning method I distributed, and then collected fifty straws, along with cleaning instructions, and tested them for bacteria growth.</p> <p>Results The data collected from my project showed that the majority of straws, when used and washed correctly, were clean.</p> <p>Conclusions My conclusion is that bacteria can grow in straws if you do not wash them correctly, but you can safely use and reuse straws if you follow simple cleaning instructions.</p>	
Summary Statement In my project I tested to see if reusable straws were clean of microbial growth after using an effective cleaning method.	
Help Received My parents helped me order my supplies and my science teacher loaned me equipment to make an incubator.	