



**CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY**

Name(s) Nakolo S. Anderson Joens-Poulton	Project Number J2103
Project Title Oh Come On, Wash Me! Which Laundry Detergent Reduces Bacon Grease Stains the Most?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was to find out which of five laundry detergents was most effective in reducing the diameter of bacon grease stains on cloth.</p> <p>Methods/Materials Five different liquid laundry detergents, bacon grease, a 1/2 teaspoon measuring spoon, 18 identical white cloths, measuring tape, a timer, a plastic tub for water, and cold tap water. The diameters of bacon grease stains on white cloths were measured before and after being washed in liquid laundry detergents.</p> <p>Results Each of five liquid laundry detergents was used to wash bacon grease stains out of white cloth. After several trials, the results show that when Fab Summer Rain liquid laundry detergent was used, on average, the diameter of bacon grease stains were reduced by 32 percent. The use of this liquid laundry detergent showed the greatest reduction in the diameter of bacon grease stains out of the five tested.</p> <p>Conclusions/Discussion After testing each of five liquid laundry detergents multiple times, the results show that when Fab Summer Rain liquid laundry detergent was used, the diameter of bacon grease stains were reduced the most, on average. The other detergents tested showed a reduction in the diameter of the bacon grease stain to varying degrees.</p>	
Summary Statement After testing the effectiveness of five liquid laundry detergents in reducing the diameter of bacon grease stains, I found that one detergent was more effective than the others.	
Help Received I designed and performed the experiment myself.	