

**Mackenzzy Becker**  
Junior Division Microbiology  
*Dirty Rotten Fountains*

In my project, I wanted to test the amount of bacteria on our school water fountains. I tested four fountains; the girls and boys locker room, the 6th grade hall and the 7th and 8th grade hall. For my control, I tested the boys' locker room fountain. The purpose of my project was to see if our school water fountains had any bacteria on them. I was looking to see what fountain had the most bacteria. I started my project by swabbing the water fountains in my school with a growth medium called Easygel. It took the colonies four days to grow. After they were done growing, the colonies turned red. For the girls' locker room, the first test had 3 colonies and the second test had 19 colonies. The boys' locker room had 331 colonies on the first test and 1,402 on the second test. The 6th grade hall had 8 colonies for both tests. The 7th and 8th grade hall had 7 colonies on the first test and 19 colonies on the second test. For my control test one had 1 colony and test two had none. I didn't have any problems with my project, it went very smoothly. I have learned some new things while doing this project. The first thing I learned was that not all school water fountains are as safe as they should be. Another thing I learned is that bacteria cannot just grow anywhere, it has to have a perfect breeding ground.