

Field Journal

By Tate

Asking a question

- How do we interact with microorganisms here at school?



Making a Hypothesis/Prediction

- Hypothesis: The more something is used and touched the more microorganisms it will have on it.
- Prediction: Things like a water fountain or doorknob will have more microorganisms will than something we rarely touch like a high wall.

Testing/Checking

- **Materials:**

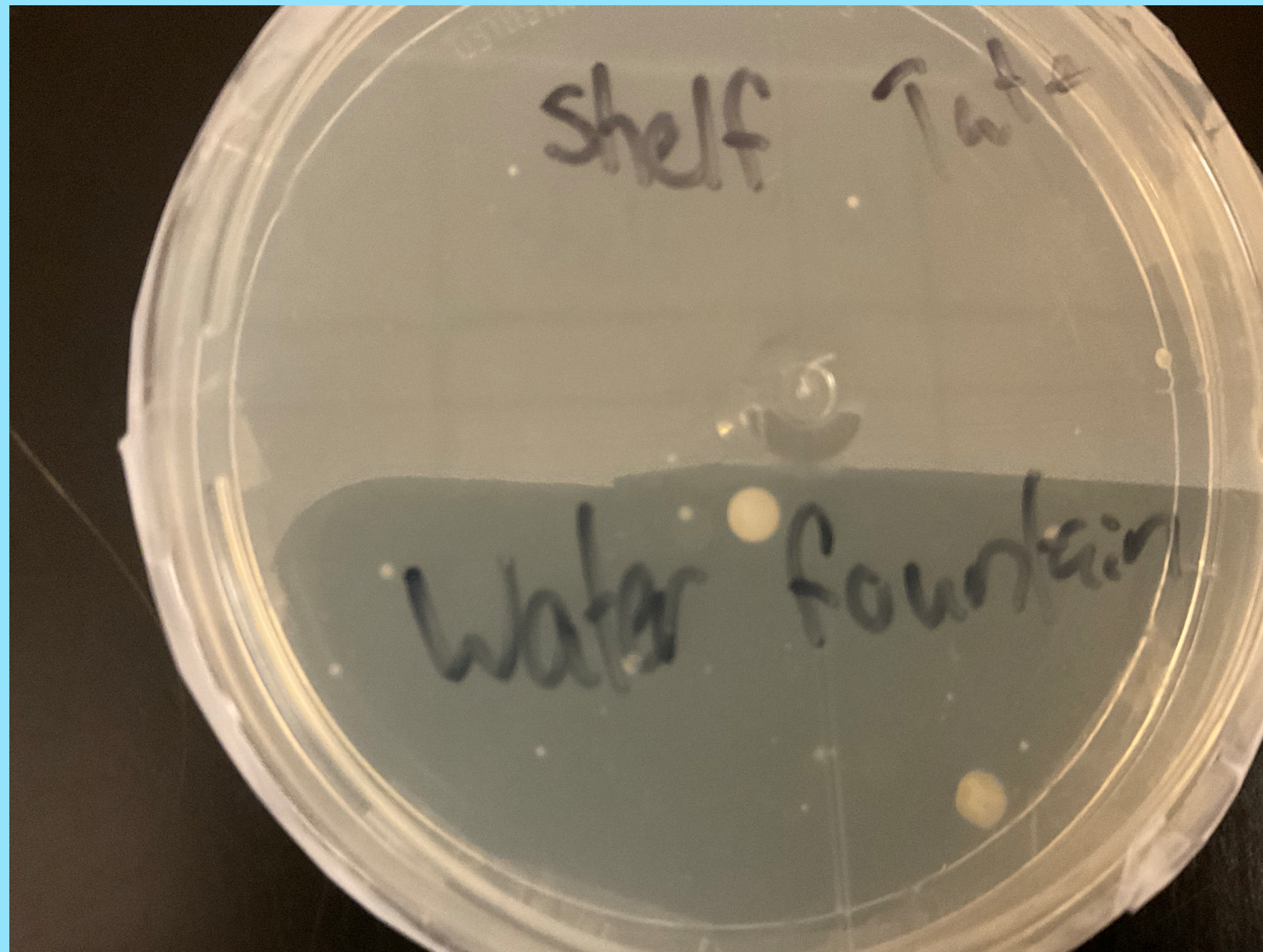
- Petri dish with Agar
- Gloves
- Cotton swab
- Goggles
- Tape

- **Procedure**

- Decide what to swab
- Create a hypothesis/prediction
- Gathered materials
- Swabbed your area
- Rub was on agar
- Close and tape shut
- Make observations/take picture

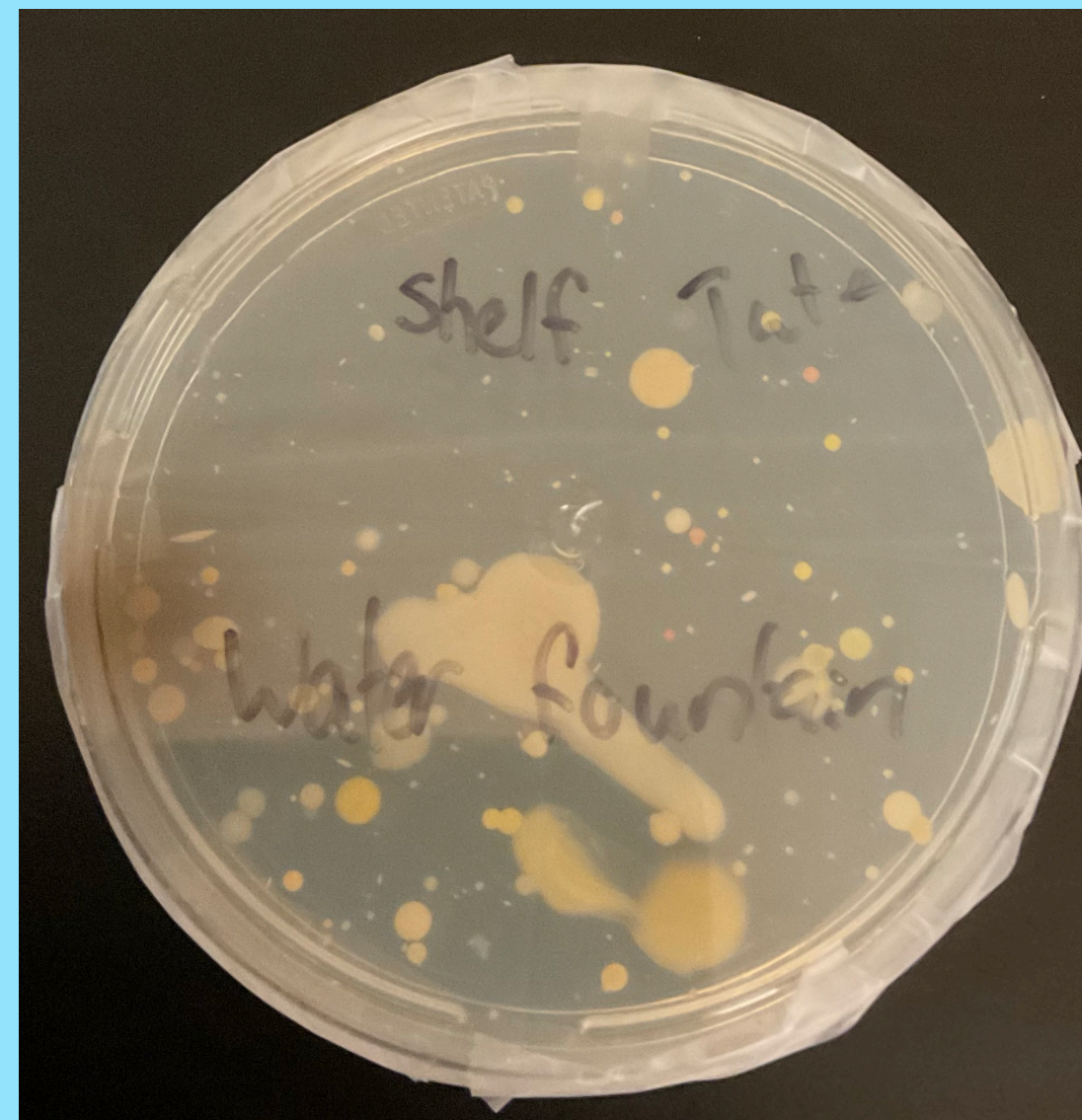
Day 1 Observations

- Day 1: There's a lot more bacteria. There's one or two dots on the shelf side but quite a few on the water fountain. There is 2 big dots and many little ones. My hypothesis has been correct so far and it will continue to grow.



Day 2 Observations

A lot of bacteria has grown from the last time I saw it. It's really gross if I'm being honest. The shelf definitely still has less but more than I would have expected. One thing that surprised me is that some of the microorganisms are different colours which I didn't expect. My hypothesis was definitely right, because people use the water fountain more there is more bacteria on it than on the shelf.



Summarize your findings

- Through this experiment I learned that my hypothesis was right. The more often something is used the more microorganisms it will have on it. It's also really strange thinking that we interact with these things on a regular basis. Honestly it makes me want to go wash my hands. But it's a good thing for the immune system. If we didn't have it these things that we can't even see would overtake our body and we'd get really sick.