

Science fair log book

You can lead a horse to water

As soon as I found out that I could enter science fair I knew I wanted to I wanted to make a water filtration system at first my plan was to boil water and collect the condensation from the lid but later I decided that I should have different systems one for filtering sediment and another for killing bacteria I find this much more effective

This is the day I did my first experiment
Paper towel started to get into the clean water
So I had to restart my experiment



I redid my experiment but adjusted it.
This time it took longer but I believe It was
More effective. When I put the water from
Each experiment in a patri dishI put
exactly 1mm in Each.



Today I did a lot of graphing I showed how much bacteria grew on each petri dish on these graphs.

- The tap water showed no bacteria (0%)
- The water from the horse trough showed some growth (34.23%)
- The cotton funnel filter showed an extremely large amount of growth (78.24%)
- The boiled water little growth (11.87%)
- The combination of the two filters showed little growth (13.97%)