

# SAN JUAN NM REGIONAL SCIENCE & ENGINEERING FAIR

## JUNIOR AND SENIOR DIVISION

### ABSTRACT & CERTIFICATION

**TITLE:** Filtration Station 3.0

**Name:** Odin McMinn

**School:** Hermosa Middle School

**Grade Level:** 7th

**Type the Body of Your Abstract Here (250 Word Maximum)**

Abstract- The purpose of my project was to test if the type of organic matter in a homemade water filter impacted the effectiveness of its filtration? Based on my research I thought that the filtration systems with organic material would be less efficient in comparison to the one with activated charcoal since activated charcoal is commonly used in filtration and commercial filters. In order to test the hypothesis I made 6 identical filters and changed the organic material found in each for a total of 5 trials per filter. In conclusion I found that 5 of the 6 filters showed some various amounts of filtration however the filter with activated charcoal was the only filter to keep the water in a safe drinking range in all areas.

1. The student independently performed all procedures as outlined in this abstract  Yes  No
2. This project is a continuation.  Yes  No
3. This project is being presented at  SJRSEF  NMJAS Paper Competition

**I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.**

Odin  
McMinn

Student's Signature

2/9/22

Date

