SAN JUAN NM REGIONAL SCIENCE & ENGINEERING FAIR

JUNIOR AND SENIOR DIVISION ABSTRACT & CERTIFICATION

TITLE: Air Push and Pull: Water Edition

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Grade Levl: 7th

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

The purpose of this experiment is to see how much volume of water will be too much or not enough for a side of the water to reach the bottom of a curved tube.
In this experiment, I used a vinyl tube curved into a "U" shape. When I did that, I started adding water making sure to leave a gap in between the volumes of water.

This hypothesis of mine was that the volume had a role. I believe that volume had a Arole in making a fountain effect. In a curved tube if one end had more volume than the other then the heavier end would push the lighter one making a fountain effect.
When the results showed up, it showed that my hypothesis was mostly correct. During the experiment, I did not consider placement as a factor. The placement mostly determined the result of the experiment. 22 out of 36 worked because of where I placed the water. If the water was closer to the center than the other then that would make the effect. However, if the volume of one of them is more than the other then the heavier volume would push the lighter one.
I think that this experiment could have been more inclusive if I' d used a longer vinyl tube. If I had used a longer vinyl tube I could have included 7.5 mL of water but I didn' t. Next time the experiment will be more inclusive and use a longer tube.

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.

Student's Signature _____ Date _____