

Smart STEM Challenge

Rural Water Filtration Project

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Category: Environmental Science

Age Group: Junior (Grade 7-9)

ABSTRACT:

Our water filtration device filtered out polluted water and converted the water into clean drinking water. It will alleviate impurities by lowering the contamination of water. This is very important, as clean water provides many purposes to the human body. Our world is currently getting really polluted, and this water filter will be able to remove all of the pollutants, to make clean drinking water. We most certainly, will have a decrease in clean drinking water throughout the next few decades. Having this water filtration device, we can provide enough water for everyone, as far as we can tell. This water filter is far more affordable, than buying clean water on a daily basis. As the materials are super affordable and are easily available.

To sum up everything that has been stated, this water filtration device that was made was able to filter polluted water (resembling that which is found in impoverished and substandard communities). As well as providing water that is completely safe to drink, it is an interesting yet simple device you can make at home with just a couple of items. The project was able to serve our main objective, as our objective was to provide people with little to no clean water. The water filtration device will certainly impact the future positively, since it is able to provide people with no clean water get access to clean water, by building the affordable device.

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