

IF I COULD INVENT SOMETHING NEW

My Name is Usa Pascal, I am 16 years old, a student of Mobolaji Bank Anthony Junior High School and I am in JSS 3 preparing For Basic Education Certificate Examination. I am from a Slum Community in Lagos Called Makoko community, an underserved environment where children don't have access to good and quality education.

If I could invent something new, it would be to create a **Sustainable Eco-friendly Water Purification System** that provides clean drinking water for my community. This invention would be a game changer for my community, where access to clean water is a constant struggle.

The Sustainable Eco-Friendly Water Purification System would use advanced technologies like Solar power (Sun Energy) Nanotechnology, which involves tech that is less than 100 nanometers in size and (IOT) Internet of things sensors to remove impurities and contaminants from water sources. It would be designed to be scalable, affordable and easy to maintain, making it an ideal solution for communities like mine where resources are limited.

This invention would have a profound impact on my community's health, economy, and environment because clean water would reduce the incidence of waterborne disease and improving overall health and wellbeing of the community. It would also increase productivity, as people would no longer need to spend hours each day collecting and purifying water.

Furthermore, this invention would create new job opportunities in manufacturing, maintenance and education by boosting the local economy. It would also reduce plastic waste from single use water bottles and decreasing the carbon footprint of traditional water treatment method. It will also decrease the use of sachet water that may cause pollution and can affect the climate.

In addition to its practical benefits, this invention would also have a profound social impact because access to clean water would empower women and girls, who are often responsible for collecting water, to pursue education and economic opportunities. It would also bring our communities together, as people would no longer be divided by access to this fundamental resources.

The Sustainable Eco-Friendly Water Purification System would be designed to be adaptable to different water sources and contamination levels, that means it will be strong enough to remove any impurity or contaminants, and making it adjustable to different solution for various communities. It would also be equipped with real time monitoring and alert system ensuring that water quality is consistently high.

In addition, the invention would be designed to be energy co-efficient, using renewable energy sources like solar power to reduce its Carbon footprint. This would not only reduce the environmental impact of the System, but also make a good result without costing a lot of money.

In Conclusion, by inventing a Sustainable water purification System, I believe I can make a real difference in the lives of my community and the whole of Lagos State. It would be a privilege to have the chance to bring clean water to those that needs it most.

Thank You

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