NAME: **EKPO, IDARA AFAHAYANGHA**

SCHOOL: **FEDERAL GOVERNMENT GIRLS’ COLLEGE IKOT OBIO ITONG**

CLASS: **JSS3**

**IF I COULD INVENT SOMETHING NEW**

In a world filled with so many challenges and opportunities, the idea to invent something new is filled with so much excitement and commitment to alleviating the challenges. Inventing a Solar Sense Clay Pot is targeted at proffering solutions to one of the myriads of challenges threatening the health of mankind, which is access to portable water, one of the basic needs of man.

Judging from my immediate environment most people largely affected by access to portable water are rural dwellers and this invention will seek to address this need. As an aspiring inventor based on this challenge, I would invent a Solar Sense Clay Pot, a clay pot that works with the efficiency of a solar panel with sensors and chemical solutions that aid in purifying water.

It is aimed at purifying water especially in rural areas, which oftentimes lack effective methods of purifying their source of water compared to the urban dwellers. Hence the creation of this invention to uplift rural dwellers.

The Solar Sense Clay Pot is a device that will assist in the purification of water in communities and the world at large as well as sustain the environment as it won’t have adverse effect on climate change.

In the world, there is high crisis for water contamination which adversely affects the globe, thus by inventing the Solar Sense Clay Pot the cleansing and purification of water will be enabled and it will be affordable for everyone.

The device will grant easy access to water, specifically to water related or water borne disease victims. It will stop the spread of some water related or water borne diseases like Cholera, a bacterial infection typically spread through contaminated food or water, a situation currently faced in Nigeria, Dysentery, severe diarrhea with blood or mucus and abdominal pain transmitted through contaminated food or water. Typhoid and Giardiasis can also spread through intake of contaminated food or water. The device will also help in repelling the diseases and vectors like flies, water fleas etc.

Statistics by World Health Organization (WHO) in 2022 indicates that the access to portable water by Nigerians is at the percentage of about 28.98%, which is considered quite alarming hence the innovations for the creation of this invention.

This device will also sustain the environment in the sense that it will not need a generating set or electrical power to operate, which may release carbon into the ozone layer thereby depleting the ozone layer. It will rather be powered by the natural source of energy, the ‘Sun’. This device will be cheap and affordable and easy to use.

The Solar Sense Clay Pot invention will not only aid in water purification but also promote the health of rural dwellers towards a sustainable development.