NAME: **BLISS OGHENERUNOR FAITHFUL**

SCHOOL: **SHEKIMAH COLLEGE, ASABA, DELTA STATE.**

CLASS: **J.S.S 3**

**IF I COULD INVENT SOMETHING NEW**

 The dream of my invention has always been a driving force behind human progress. From the wheel to the internet, every great leap forward began with a spark of innovation. If I had the opportunity to invent something new, I would create a device that addresses one of the most pressing issues of our time: climate change. My invention would be a portable, efficient carbon capturing device designed for everyday use.

 Imagine a world where every individual could contribute to reducing carbon emissions simply by using a personal device. This portable carbon capturing device, which I would call ‘ECO- POCKET’, would be small enough to fit in a backpack or hand bag. It works by absorbing carbon dioxide from the air, much like trees do, but at a much faster rate. The device would use advanced nanotechnology to filter and trap CO2 converting it into harmless, reusable materials.

 The ECO- POCKET would consist of several key components. First, a high efficient air intake system would draw inn ambient air. Inside, a series of nanofilters would capture CO2 molecules. The trapped carbon dioxide would then be subjected to a chemical process, breaking it down into carbon and oxygen. The oxygen would be released back into the atmosphere, while the carbon could be stored in a removable cartridge. These cartridges could then be sent to recycling centres where the carbon would be repurposed for industrial use, such as in the production of grapheme or carbon fiber.

 The potential benefits of the ECO-POCKET are vast on an individual level. It empowers people to take direct action against climate change instead of feeling helpless about the increasing levels of green house gases; people could actively reduce their carbon foot print every day. On a larger scale, widespread use of such devices could significantly lower global CO2 levels, complement other efforts like reforestation and renewable energy.

 Moreover, the ECO-POCKET would encourage environmental awareness and responsibility. As people see tangible results from their efforts, they would likely become more conscious of their overall environmental impact, leading to broader lifestyle changes that support sustainability.

 If I could invent something new, the ECO-POCKET would be my contribution to cleaner, more sustainable future which is; providing solution to Goal 13 of the Sustainable Development Goals (SDGs) to fight against climate change and its impacts. By harnessing the power of individual action and advanced technology, this device has the potential to make a significant impact on the fight against climate change. While there would be challenges to overcome, the benefits far overweigh the obstacles. The ECO-POCKET represents a step forward in our collective effort to protect our planet, proving that sometimes, the biggest changes start with the smallest innovations.