Name: Chimamanda Henry Anachuna

School: Greenpath Preparatory School

Class: JSS1 (Year 7)

IF I COULD INVENT SOMETHING NEW…

If I could invent something new, it would be a groundbreaking machine that could determine a woman’s pregnancy through a simple fingerprint scan. This invention would revolutionize the way women test for pregnancy and make it more accurate, cost-effective, and accessible.

The idea for this invention stemmed from my profound love and passion for STEM. I believe that STEM fields offer the most tangible pathways to understanding the universe and harnessing its potential for human advancement. The challenges are immense but so are the opportunities for growth and development to the society's progress. With all that being said one might say I’ve got my career choice all figured out but that is far from reality. “What do you want to be when you grow up?” is probably the most asked question in the world but I can assure you I have no idea what the future holds for me and you really can’t blame me. Anyway, that topic is for another day, let’s move on.

Another reason why I am so passionate about this particular invention is because it would address a real and pressing need. Women who are trying to conceive or who suspect that they might be pregnant often have to rely on unreliable and expensive pregnancy tests to determine their pregnancy. Even blood tests, which are considered to be accurate, can be inconclusive.

My invention would eliminate the need for physical tests. Instead, it would use a woman’s fingerprint to determine if she is pregnant. The process would be quick, painless, and cost-free.

So how would this invention work? First, the woman would need to provide a fingerprint using a scanner or biometric tool. The machine would then analyze the fingerprint to detect specific biomarkers or chemical signatures that indicate pregnancy.

To ensure the accuracy of the results, the machine would need to be calibrated using a database of known fingerprints from pregnant and non-pregnant women. This would allow the machine to differentiate between the two and give reliable results. The materials needed to create this machine would include the biometric scanner and the software to analyze the fingerprints and provide the results.

Of course, creating this invention would face several challenges such as biometric accuracy, clinical validation, cost and funding, global distribution, cultural acceptance, and so on. That’s why I undoubtedly leave the work for my future self and I believe the potential benefits for women's health and well-being make it a worthy pursuit.

Imagine a world where any woman, regardless of her financial situation or access to healthcare could find out if she is pregnant with a simple fingerprint. This invention speaks to my passion for STEM and my desire to make a difference in people's lives. I believe this invention has the potential to change the world.