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**CLASS: JSS1**

**ESSAY TITLE: IF I COULD INVENT SOMETHING NEW**

If I could invent something new, it will be a cloud moving machine that I will name Rin's Cloud Mover Machine, RCMM for short. The RCMM will have the ability to move clouds from one geographical area to another. This movement of clouds will thus result to the movement of rainfall.

Clouds basically forms rain, rain falls when water droplets that have condensed from atmospheric water vapour falls under gravity. The RCMM will be monitoring rainfall over a certain area using an inbuilt Raingauge, that the expected rainfall is beyond what the land can withstand at that certain moment, thereby diverting the clouds preventing more rainfall. For example the heavy rainfall of 3rd July 2024 across Lagos State, resulted in most places being flooded. There were damage of properties, shops were flooded, goods were destroyed, breakdown of vehicles, school children/workers were stranded by this heavy rain. If the RCMM was available it would have been used by the Nigeia Metrological Management (NiMet) as they handle everything weather related in Nigeria to prevent that.

One of the major advantage of the RCMM is the movement of clouds from areas high in becoming flooded by rainfall to other areas that needs rain desperately to avoid drought. Thereby regulating the rainfall over Nigeria, making it possible that a certain area does not get too much of rainfall within a short period of time. This will decrease occurrence of land slides and flooding which in turn result to loss of precious human lives, properties, goods, livestock, and crops.

The only disadvantage I can think of is that it’s not yet feasible. Hopefully with more research and advancement of science and technology, we will attain this in future.

The RCMM will work by applying high pressures on the winds over a certain area at very high altitudes, this applied pressure will result to the clouds being moved from high pressure region to low pressure region. Thus as the clouds moves the rain is also moved. The RCMM will be gauging the rainfall within a particular area e.g. Lagos State, when it has rained much over a short period and seeing that more rain is forthcoming while the water levels within the state is still high, as more clouds are being formed over Lagos State, the RCMM will be operational increasing the pressure on the clouds forming. This will make the clouds being formed not settle over Lagos State but be moving onwards to other regions. According to the Law of gravity the clouds will always move from high pressure to low pressure area. This machine will use a combination of the various principles at work in a Windvane , Rainguage, Anemometer, Barometer etc to achieve this.

In conclusion the Rin's Cloud Mover Machine will be very helpful in different countries and will make our world a better place for us all.