Douglas Raymond – Shape/ Size

**Engineering Principles:**

* Aerodynamics
* Efficiency (Energy Efficiency)

Efficiency describes the extent to which time, effort or cost is well used for the intended task or purpose.

Aerodynamics is a branch of dynamics which deals with studying the motion of air.

**Shape/Size will cover:  
1. Appearance  
2. Outer frame  
3. Dimensions of the vehicle**

* **What is the ideal shape and size for an electric assist bicycle?**
* **How can the vehicle be more aerodynamic without compromising on appearance or comfort?**

With the help of studies on aerodynamics and efficiency, two very important engineering principles, I will be able to properly decide on a suitable bicycle frame (inner and outer).

Coupling efficiency and aerodynamics will mean that less energy is exerted and less time is wasted when using the bicycle.