POWERHOUSE

Please grab your lab composition notebooks

Purpose and Hypothesis

½ Lab Report

- Purpose
- Hypothesis
- Data & Calculations
- Conclusion (RsVCP)

Procedure

1. Split the class into 2 groups.
2. Each person will climb the stairs twice (one walking trial and one fast trial).
3. The rest of the group will sit in the bleachers and time how long it takes for the person to get from the bottom of the stairs to the top.

Measurements

1. Mass
2. Vertical height
3. Time to walk stairs (constant $\vec{v}$)
4. Time to run stairs (max power)

Calculations

Calculate the amount of work and power required to climb a set of stairs while walking, and running.

Conclusion

Re**s**tate the purpose of the lab.

Verify conclusion by providing 3 or more results. This should include all numerical findings and their significance

Provide a **c**ounterclaim by addressing specific experimental error and suggest possible experimental improvements.

Provide importance of the experimental process by providing a specific real-world application.