

Bayfield Team Electrathon Final Report 30% of Final Grade (Final Exam)

Directions: This final report is a capstone to all you have accomplished though out the semester/school year. It is intended to help you reflect upon your accomplishments and shortcomings. It is also intended to help spark interest and carry on the lessons for next years electrathon team. Finally, this report will be worth 30% of your final Electrathon Class grade. The document must be typed....

SPONSORS: Write a letter to our sponsors thanking them for their support and telling them how valuable participating in Bayfield Team Electrathon has been. Type out your letter and attach it to this document with a paper clip.

DESIGN/BUILDING:

What did you learn designing and building and electrathon racer?

What would you have done differently or changed in the design/fabrication of the Electrathon vehicle?

List the tasks (specifically) that you worked on the vehicle. What parts did you fabricate?

CLASS/TEAM ORGANIZATION

How could the team have been organized differently?

Do you think the Department breakdown worked - publicity, shell/aerodynamics, mechanical, electrical battery? How could the departments be better organized?

Is there something that the instructor could have done differently to make the team organization better?

RACING/TESTING:

Describe what needs to be changed or re-fabricated according to the inspection we received at the Iowa International Raceway

Describe the procedures for testing the vehicle before the race?

Describe what happened at the race(in detail)?

What worked well at the race?

What did you enjoy about the race?

What was your pit crew job at the race? How well did you accomplish this job?

What could the team member's done differently to help make our race more successful?

What could the advisors done differently to help make our race more successful?

VEHICLE STATS:(Describe and list all part of the Electrathon vehicle)

Layout *cycle car auto car tricycle*

Length _____

Width _____

Weight(wo driver/batteries) _____

Wheel base (front) _____

Wheel base (back) _____

Steering _____

Batteries (type) _____

Batteries (weight) _____

Wheel diameter _____

Tires (brand) _____

Tires (psi) _____

Tires (size) _____

frame/driver cage _____

shell _____

floor pan _____

tail light_____

gear ratio_____

motor_____

controller_____

main fuse_____

external disconnect_____

wire (AWG)_____