Advanced Energy Vehicle

Lab 09: Performance Test 1
AEV Project Objective  
(Problem Definition)

INITIAL CONCEPTS  
(Brainstorming)

EXPERIMENTAL RESEARCH  
(System Analysis)  
(Programming)

ANALYZE

COMPARE

PT 1
PT 2
PT 3
PT 4

RESEARCH

DESIGN DECISION

FINAL DESIGN

Present AEV Design
Data Analysis – What does it mean?

**Labs**
- AEV and AEV Component Testing and Analysis

**PT1**
- AEV Concepts Testing and Analysis

**PDR**
- AEV Operational and Component comparisons
- Design decisions and supportive data for selected AEV concept
Performance Test 1 – Test Readiness Review

Requirements

- A small document reviewing what the team is going to accomplish this week and who is going to accomplish what tasks.

- Performance Test 1: Create two different AEV vehicles and determine which system is a better, energy efficient vehicle.

- Due: **Beginning of PT1 – Lab 08A!**
Performance Test 1 – Lab Memo Requirements

- Assemble Second AEV Concept.
- Discuss the necessary tests needed in order to complete the concept comparisons, and testing strategies (division of the team) to accomplish the goals.
- Discuss the results from the necessary tests.
- Finish Tasks for Performance Test 1 and write summary results as part of Preliminary Design Report (PDR).
Things to Remember

- Update Project Portfolio
- Extra Credit Video Part 2
- Continue to work on PDR (Due: Lab 09B)