

Force and Motion Engineering Internship

A Scientific Argument

CER – Claim, Evidence, Reasoning

Remember, your evidence supports your claim.

Your reasoning supports your evidence.

Directions:

1. Open a google document - Name your Google Document “FMEI – Class Period - Your First and Last Name” EXAMPLE – **FMEI – Pd.1 – YOUR NAME**
2. Use below outline to craft your written response
3. When Finished, Share your Google Document with your Mr. Lumio (clumio@neshaminy.org)

Paragraph 1 -

- Purpose of project
- Min. Cargo Damage and Why Important
- Max Shell Condition and Why Important
- Low Cost and Why Important
- Priorities of Criteria
- Strategy utilized in creating design
- Design Claim Statement.

Paragraphs 2, 3, 4 -

- Final Result of criteria (Minimize Cargo Damage, Maximize Shell Condition, and Low cost)
- Goal of criteria when designing
- Comparison of final design criteria to results of another test
- Dossier - Background Evidence
- Iterative Tests or Egg Drop Lab – Background Evidence

Paragraph 5 -

- Summarize why your design should be chosen.
- Describe how you reprioritized the criteria in your design after initial feedback.
- Describe your trade-offs made in optimal design.
- Convince reader why your design is optimal even with the trade-offs.
- Closing statement