Prof. Overbey
Foundations of Science I
UATX

Research Reflection

It is your responsibility to ensure that the work is complete and turned in according to the turn-in instructions. Any deviation from the instructions will result in point deductions.

Turn-In Instructions

- Your answers must be **handwritten** and **legible**, completed on **lined paper**.
- **Due: Fridays at 12:00 PM (noon).** Late work will **not be accepted** and you will receive a **score of zero.**
- **Submission:** Bring to my office (library office). If I am not in my office, please slide your assignment **under my door**.

Scoring Rubric

Category	Points
Clarity and completeness of company summary	10
Depth of connection to Feynman Lectures	10
Quality of reflection and insight	10
Overall organization and writing	5

Total: 35 points per reflection.

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Part 1: Lecture Summary (approx. 300–500 words)

- **Company Overview**: Name, focus area, notable technologies or products.

- **Identify a Specific Project or Innovation**: Choose one technical project (e.g., a rocket engine, solar panel system, MRI scanner, cryogenic storage unit, electric motor, or vacuum-insulated transportation system, etc).

- **Describe the Science Behind It**: What concepts, methods, or problems is the project tackling?

- **Reflect on the Innovation**: What surprised or impressed you? Was anything confusing? Why did you choose this topic?

Part 2: Connection to *The Feynman Lectures on Physics* (approx. 300–500 words)

- **Find a Relevant Chapter** from the *Feynman Lectures* (Volumes I–III) that connects to the physics underlying the company's project.

- **Describe the Connection**: Explain the relevant principle(s), how Feynman describes them, and how they appear in the company's work.

- **Include an Equation or Diagram**: Pick one equation or diagram from the Feynman chapter. Explain:
    - What it means
    - Why it's relevant
    - How it helped you understand the project more clearly