Simulating Real-Life Physics Phenomena with AI

AI Interaction Template for Students

1. Research Phase – Use free tools like PhET or ChatGPT.
Example prompts:
• How can AI simulate gravitational motion?
• What is the role of AI in predicting wave behavior?
• Can AI visualize electric or magnetic fields?

Type your selected aspect here:

2. Deep Dive Phase – Run a simulation or create an AI-assisted model.
Example tasks:
• Use PhET to simulate collisions or pendulum motion.
• Ask ChatGPT to explain the results of your simulation.
• Compare predicted vs. observed behavior.

Write your discussed aspects and main presentation points here:

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3. Reflection Phase

Prompts:

- *How accurate were AI predictions?*
- *What did you learn from comparing simulation and theory?*

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