

KEY HIGHLIGHTS

Virtual Labs

Resource person: PhET Interactive Simulations team | Research-based simulation project at the University of Colorado Boulder | Curated from PhET Simulations
Virtual Labs | Blended Learning and MOOCs | technology

- 01 PhET simulations make abstract or invisible relationships manipulable and visible.
- 02 Multiple linked representations connect actions, measurements, graphs, and models.
- 03 A strong lab sequence uses prediction, controlled change, observation, and explanation.
- 04 Prompts should focus attention while preserving room for exploration.
- 05 Students should discuss the simulation's assumptions and relationship to physical phenomena.
- 06 Device, language, keyboard, and alternative-format access require an advance check.