



SYLLABUS

Welcome to your AP Physics Lab experience. Use this digital course to prepare yourself for the lab by watching helpful overview and summary videos. Also, learn how what you do in the lab may show up on the AP exam. Finally, answer the exam-style questions at the end of each lab to get yourself even more ready for the exam! This course includes the following advanced inquiry labs and digital components:

Safety in the Lab

- Pre-Lab Safety
- Safety Equipment
- Personal Protective Equipment
- Chemical Labels and Safety Data Sheets
- Responsible Chemical Disposal
- Common Lab Procedures
- Exposure Response
- Safety Guidelines and Agreement

Lab 1 – Measuring g: Exploring Free Fall

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 2 – Graphing Motion

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 3 – Newton's Second Law

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 4 – Coefficient of Friction

- Overview
- Friction Simulation
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 5 – Uniform Circular Motion

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 6 – Conservation of Energy on an Inclined Plane

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 7 – Conservation of Elastic Potential Energy

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 8 – Conservation of Linear Momentum

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 9 – Hooke’s Law and Simple Harmonic Motion for Elastic Materials

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 10 – Newton’s Second Law

- Overview
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 11 – Coefficient of Friction

- Overview
- Friction Simulation
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 12 – Uniform Circular Motion

- Overview
- Torque Simulation
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 13 – Conservation of Energy on an Inclined Plane

- Overview
- Summary
- Practice Exam Questions

Lab 14 – Coefficient of Friction

- Overview
- Friction Simulation
- Summary
- Open Educational Resources
- Practice Exam Questions

Lab 15 – Uniform Circular Motion

- Overview
- Summary
- Practice Exam Questions

Lab 16 – Conservation of Energy on an Inclined Plane

- Overview
- Summary
- Practice Exam Questions

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