

## Physics



**Physics LabPaqs contain traditional lab experiments that are uniquely designed to mirror those performed on college and high school campuses around the world.**

- Physics LabPaqs are widely adopted for *online and on-campus* courses. They are suitable for both algebra and calculus based Physics. *Thousands of college and high school students* use Physics LabPaqs each year.
- Thirty *academically aligned* Physics experiments complement and reinforce traditional college, high school, and Advanced Placement Physics curricula and learning objectives.
- Physics LabPaqs contain a *full color lab manual* on CD, plus all required equipment and supplies to perform the experiments such as spring scales, pulleys, friction blocks, tuning fork, multi-meter, and optical bench items.
- LabPaq experiments are *very well-designed*. They were initially developed by distinguished online Physics Professor Peter Jeschofnig, PhD., and experiments are continuously improved through collaboration with the extensive Hands-On Labs' academic community.
- LabPaqs are *SAFE, fully insured*, and have a 15-year, 100% safety record.
- LabPaq *Answer Keys* and *Grading Rubrics* are available.
- LabPaqs are developed and produced by an *educator-owned company* with a sincere commitment to foster excellence in online as well as on-campus science education.
- LabPaqs are assembled to exacting quality control standards.



EXPERIMENT NAME	LABPAQ NAME & EXPERIMENTS							
	P K - 1	P K - 1 0 1	P K - 1 0 5	P K - 2	P 1 K 1 - 7 C S -	P 1 K 1 - 8 C S -	P K - S	P K - W
Acceleration	●	●			●		●	●
Barometric Pressure								●
Capacitance in a Circuit				●		●	●	●
Centripetal Acceleration	●				●		●	●
Conservation of Momentum					●			●
Data Collection	●	●	●		●		●	●
Determining the Speed of Sound	●						●	●
Diffraction Grating				●			●	●
Electric Fields				●		●	●	●
Electric Motor				●		●	●	●
Experimental Errors and Uncertainty	●	●			●		●	●
Friction	●	●	●		●		●	●
Hooke's Law	●	●	●				●	●
Introduction to Electrical Circuits		●		●		●	●	●
Mapping A Magnetic Field						●		●
Measurement	●	●	●		●		●	●
Optical Bench with Mirrors and Lenses						●		●
Pendulum and the Calculation of g	●	●	●		●		●	●
Polarized Light				●			●	●
Radioactive Decay		●		●			●	●
Reflection and Refraction		●	●	●		●	●	●
Resistors in Series and Parallel		●		●		●	●	●
Semiconductor Temperature Sensor				●			●	●
Simple Machine - Lever	●	●	●		●		●	●
Simple Machine - Pulleys	●	●			●		●	●
Specific Heat Capacity of Metals	●	●	●				●	●
Static Electricity or Electrostatics		●	●	●		●	●	●
Trigonometric Measurements	●	●			●		●	●
<b>Number of Experiments:</b> Version 09-1.01	13	16	9	11	11	9	24	28