Guide

Explorations in Physics

Indicates a research-demonstrated benefit

Overview

A sequence of introductory, activity-based, laboratory courses that integrate the use of guided-inquiry techniques with self-directed projects.

Type of Method	Full curriculum
Level	**Designed for:** Intro College Conceptual
Setting	**Designed for:** Studio
Coverage	Few topics with great depth
Topics	Mechanics, Waves / Optics, Thermal / Statistical
Instructor Effort	Medium
Resource Needs	TAs / LAs, Computers for students, Advanced lab equipment, Tables for group work, Studio classroom
Skills	**Designed for:** Conceptual understanding , Lab skills, Making real-world connections, Designing experiments
Research Validation	**Based on research into:** theories of how students learn , student ideas about specific topics **Demonstrated to improve:** conceptual understanding , beliefs and attitudes **Studied using:** student interviews
Compatible Methods	PhET, Physlets, SCALE-UP, OSP, LA Program, MBL, CPU
Similar Methods	Workshop Physics, SCALE-UP, MBL,
Developer(s)	David P. Jackson, Priscilla W. Laws, and Scott V. Franklin
Website	http://physics.dickinson.edu/~eip_web/eip_homepage.html