

























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

