



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

