



Physical Science and Everyday Thinking

Indicates a research-demonstrated benefit

Overview

A guided-inquiry conceptual physical science course designed to help students develop a deep conceptual understanding of big ideas.

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🏠 Type of Method	Full curriculum
X Level	Designed for: Teacher Prep Course
m Setting	Designed for: Studio → , Lecture - Small (<30 students) Can be adapted for: Lab
Coverage	Few topics with great depth
Topics	Mechanics, Electricity / Magnetism, Thermal / Statistical
Instructor Effort	Medium
Resource Needs	Projector, Computers for students, Advanced lab equipment, Cost for students, Tables for group work
% Skills	Designed for: Conceptual understanding , Metacognition Can be adapted for: Making real-world connections, Using multiple representations
Research Validation	Based on research into: theories of how students learn , student ideas about specific topics . Demonstrated to improve: conceptual understanding , beliefs and attitudes
Compatible Methods	PhET, JiTT, Physlets, SCALE-UP, OSP, LA Program, CPU

Similar Methods PBI, PET, LEPS

Developer(s)

Fred Goldberg, Rebecca Kruse, Steve Robinson, Valerie Otero and Nephi

Thompson

Website http://cpucips.sdsu.edu/web/pset/





