



Ranking Tasks for Introductory Astronomy

 Indicates a research-demonstrated benefit

Overview

Conceptual exercises in which students make comparative judgments to identify the order of various situations based on a physical outcome or result.



Type of Method Curriculum supplement



Level **Designed for:** Intro College Conceptual



Setting **Designed for:** Lecture - Large (30+ students)  , Lecture - Small (<30 students) 

Can be adapted for: Recitation/Discussion Session, Homework, Studio



Coverage Many topics with less depth



Topics Astronomy




Instructor Effort Low



Skills **Designed for:** Conceptual understanding 



Research Validation **Based on research into:** theories of how students learn  , student ideas about specific topics 

Demonstrated to improve: conceptual understanding 

Studied using: analysis of written work  , research at multiple institutions 



Compatible Methods [Peer Instruction](#), [PhET](#), [JiTT](#), [CGPS](#), [Physlets](#), [Context-Rich Problems](#), [SCALE-UP](#), [OSP](#), [LA Program](#), [CAE TPS](#), [Lecture-Tutorials](#), [CPU](#), [TEFA](#), [Tutorials](#), [Clickers](#)



Similar Methods [Ranking Tasks](#), [TIPERs](#), [Lecture-Tutorials](#)



Developer(s) David Hudgins, Kevin Lee, and Edward Prather



Website <http://astro.unl.edu/interactives/>

