



## 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/>

