



## Intermediate Mechanics Tutorials

 Indicates a research-demonstrated benefit

### Overview

Small-group learning materials for teaching intermediate mechanics. A mix of conceptual, mathematical, and problem-solving activities.



**Type of Method** Curriculum supplement, Tutorials



**Level**

**Designed for:** Upper-level Undergraduate

**Can be adapted for:** Intermediate, Graduate School



**Setting**

**Designed for:** Lecture - Small (<30 students), Recitation/Discussion Session

**Can be adapted for:** Homework, Studio



**Coverage**

Many topics with less depth



**Topics**

Mechanics






**Instructor Effort**

Medium



**Research Validation**

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

**Demonstrated to improve:** conceptual understanding 

**Studied using:** classroom observations 



**Compatible Methods**

[Peer Instruction](#), [PhET](#), [JiTT](#), [CGPS](#), [Physlets](#), [SCALE-UP](#), [OSP](#), [LA Program](#), [CAE TPS](#), [Paradigms](#), [Tutorials](#), [Clickers](#)



**Similar Methods**

[UW Tutorials](#), [ABP Tutorials](#), [OST Tutorials](#), [Lecture-Tutorials](#), [QuILTs](#), [Thermal Tutorials](#), [Tutorials](#)



**Developer(s)**

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**Website**

<http://faculty.gvsu.edu/ambroseb/research/IMT.html>