

## (EP201) Experiments in Classical Mechanics

Nov 2023 Version

### Basic Information

**Duration per session:** 3 hours

**Number of sessions:** 4

**Starting Date:** After Nov 17 - 19, 2023. Contact us to arrange your starting date

**Min Number of Student:** 5. You may contact other interested student to register as a group.

**Base Tuition:** \$30.00 per hour

**Material Fee:** \$20.00 per session

**Total Tuition:** \$440.00

### Session Outline

Session Number	Time (hours)	Activity
1	1.0	Introduction Video Tracking
	2.0	Simple Harmonic Motion Experiment
2	1.0	Lecture on Theory of Damped Oscillation
	2.0	Oscillation with Viscous Damping
3	1.0	Lecture on Material Property
	2.0	Determine Young's Modulus of Beams
4	1.0	Theory of Coupled Oscillator
	2.0	Building and Measuring a Coupled Oscillator

### Registration, Contact, and Payment

**Registration:** Send an email to [info@scitechnia.org](mailto:info@scitechnia.org). Please include the student name, grade, workshop name (e.g. EP101), and desired date of start.

**For Inquires:** Please email [info@scitechnia.org](mailto:info@scitechnia.org)

**Payment:** e-Transfer to [info@scitechnia.org](mailto:info@scitechnia.org).