

Unit 7: Newtonian Mechanics – Oscillations

LAB: Hooke's Law

Objectives:

- In reference to a spring-mass system that oscillates vertically: Generate and test a hypothesis regarding the relationship between spring length and spring constant OR between spring constant and period OR between mass and period.

Equipment:

- Springs of a variety of lengths and gauges, hanging masses, motion sensor, force sensor, meterstick, or other

Safety: Take care not to release the springs in a way that could launch a hanging mass

Procedure: You're on your own! 😊