Lab: Newton's 2nd Law of Motion--Friction AP Physics

Background
The ratio between the Force of friction $\mathbf{F}_{\mathbf{friction}}$ and the normal Force $\mathbf{F}_{\mathbf{Normal}}$ acting between two parallel surfaces sliding against each other is called the *coefficient of friction* μ:

$$\mu = \frac{F_{friction}}{F_{Normal}}$$

The value μ is determined experimentally.

Objectives
To experimentally determine the static and kinetic coefficient of friction between two solid materials: brick on wood, textbook on floor, etc.

Equipment
(To be determined, and carefully described, by you.)

Procedure
(To be determined, and carefully described, by you in your lab notebook.

Questions

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Additional Notes

- This lab is an open-ended lab.